

Chapter 3.3a List of Category 5 Impaired Waters

The complete integrated list in Chapter 3.3 is a general list of all assessed surface waters in Virginia derived from the EPA Assessment Database (ADB). The Impaired Waters List in Chapter 3.3a is a subset; a compilation of those waters in the Commonwealth of Virginia which do not support one or more of the applicable designated uses (i.e. wildlife, aquatic life, fish consumption, shellfish consumption, recreation, drinking water and/or the new Chesapeake Bay uses.) This chapter contains more detailed information about these waters which do not meet Virginia's numeric and/or narrative Water Quality Standards or criteria.

Priority for TMDL Development

Section 303(d) of the Clean Water Act and the Environmental Protection Agency's (EPA) regulation 40 CFR Section 130.7(d) (1) promulgated in July, 1992, requires each state to submit a Total Maximum Daily Load (TMDL) Priority List to EPA in even numbered years. TMDL development priority ranking for Category 5 impaired waters is based on two factors. First, the severity of the impairment, including consideration of the number of beneficial uses lost, number of pollutants responsible for the impairment and the presence of endangered species in the impaired waters. Second, the availability of "tools" to develop the TMDL. Availability of tools includes such things as on-going data acquisition activities in the watershed, the existence of current data such as load allocations, and the interest, cooperation and backing of the affected public. Additionally, other programmatic requirements such as the need for the waste load allocation (WLA) component of a TMDL by a VPDES permit, may be part of the tools necessary for priority ranking. Waters that are impaired and already have many of the TMDL tools available are generally defined as high priority for TMDL development. Waters with less severe impairments and those with fewer TMDL development tools are ranked medium or low priority for TMDL development.

Due to the TMDL requirements of the 1999 Consent Decree, the priority ranking for each newly listed water, which are not part of the Consent Decree schedule, will have to be considered on a case by case basis. It has become normal practice in Virginia that any new segments within a water body already scheduled for TMDL development will be included in that TMDL study if appropriate.

Comments from the United States Fish and Wildlife Service on the 2002 303(d) Report resulted in revisions to the TMDL development dates of impaired segments in some watersheds they identified as possible endangered species areas. TMDL development dates, localities, dates of listing, and other causes of impairments are found in the Impaired Waters List (Chapter 3.3a). Waters listed as impaired for the first time in the 2006 report are also listed separately in Chapter 3.3b.

All Category 5 waters are considered impaired and likely needing a TMDL. Most, but not necessarily all subcategories of Category 5 will require a TMDL. Waters categorized as 5A, 5B, or 5D in the 2006 Impaired Waters List are waters that DEQ believes need a TMDL study. 5C waters are believed to be impaired due to natural conditions. Further study of each Category 5C water are needed to determine if a TMDL is applicable and/or if changes to Water Quality Standards are appropriate to reflect those natural conditions. Nevertheless, 5C waters are listed with TMDL development dates in the Impaired Waters List.

Category 5E waters are similar to Category 4B waters. They will meet Water Quality Standards based on permitted limits by means other than a TMDL. 5E waters are waters where the VPDES compliance date is expected to extend beyond the next assessment report date (2008). They are not scheduled for TMDL development. One example of a 5E water is where an existing facility cannot be modified to meet Standards. In this example, a new facility would be necessary to replace an existing one. However, the new facility could be funded and constructed before the next assessment report (2008) is released, thus meeting the permit requirements.

Changes in Impaired Water Criteria Since the 2002 Assessment

A significant change in the 2002 assessment that has continued through the 2006 assessment and report was the assessment of fish tissue data and the listing of waters as impaired where two or more exceedences of the human health surface water criteria screening value were detected at the same station. That action was taken in order to safeguard human health. In 2000, the Virginia Department of Health (VDH) adopted a “trigger value” for mercury of 0.5 PPM (parts per million). This is lower than the state Water Quality Standard for mercury of 1.0 PPM. As a result, some waters are listed as impaired in the 2006 assessment due to levels of mercury based on the lower VDH trigger value. There are currently a total of six fishing advisories for mercury, 11 for PCBs (Polychlorinated Biphenyls), and one for Kepone (James River).

Public Participation Process

Immediately before the release of the public comment draft report on July 10, 2006, DEQ sent a letter of notification to each locality, Department of Health District, Planning District Commission, and Soil and Water Conservation District in Virginia. Included in these letters was a link to a webpage where a “fact sheet” on all impaired waters in this report is available. Notice was also sent to the Virginia Department of Game and Inland Fisheries and Virginia Marine Resources Commission regarding posting of waters with impairments due to toxics. DEQ will prepare and send a hard copy of fact sheets to any of these organizations upon their request.

Virginia public noticed the 2006 305(b)/303(d) Draft Integrated Assessment Report in the Virginia Register on July 10, 2006. DEQ held seven public information meetings on the 2006 Integrated Report in July 2006. The meetings were held on:

- July 12th, 1:00pm – 2:30pm – DEQ Valley Regional Office, 4411 Early Road in Harrisonburg. For directions please contact James Shiflet, (540) 574-7828, jashiflet@deq.virginia.gov.
- July 12th, 1:00pm – 2:30 pm – DEQ West Central Regional Office, 3019 Peters Creek Road in Roanoke. For directions please contact Mike McLeod, (540) 562-6721, dmmcleod@deq.virginia.gov.
- July 12th, 1:30pm – 3:00pm – DEQ Tidewater Regional Office, 5636 Southern Boulevard in Virginia Beach. For directions, please contact Steve Cioccia, (757) 518-2159, sacioccia@deq.virginia.gov.
- July 13th, 10:30am – 12:00pm – DEQ South Central Regional Office, 7705 Timberlake Road in Lynchburg. For directions, please contact Amanda Gray, (434) 582-6227, abgray@deq.virginia.gov.
- July 17th, 1:30pm – 3:00pm – DEQ Piedmont Regional Office, 4949-A Cox Road in Glen Allen. For directions, please contact Jennifer Palmore, (804) 527-5058, jvpalmore@deq.virginia.gov.
- July 18th, 2:00pm – 3:30pm – DEQ South West Regional Office, 355 Deadmore Street in Abingdon. For directions please contact Allen Newman, (276) 676-4804, ajnewman@deq.virginia.gov.
- July 19th, 10:30am – 12:00pm – DEQ Northern Va. Regional Office, 13901 Crown Court in Woodbridge. For directions please contact Robert Swanson, (703) 583-3803, rpswanson@deq.virginia.gov.

When EPA approves the final report it will, like the draft, be available for download via the Internet at <http://www.deq.state.va.us/wqa>. When approved by EPA, the 2006 final report, including all appendices, will also be available on a compact disc. Map images of impaired waters (by major river basin or sub-basin) along with the entire report and all appendices will be included on these compact discs. These CDs can be pre-ordered now at no cost via the URL above or by calling DEQ at (804) 698-4575. A hard copy of the final 2006 maps can be pre-ordered for a fee that will cover publication and shipping costs. A print and mail order form for hard copy maps is available at the URL above.

2006 303(d) List Summary of Impaired Waters (Category 5) Needing TMDL Study*

Potomac and Shenandoah River Basins

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Accokeek Creek								
00816	Aquatic Life	Total Size pH:		4.20			2004	2016
00817	Recreation	Total Size Escherichia coli:		4.20			2006	2014
Accotink Creek								
00313	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		8.62			1998	2008
60150	Recreation	Total Size Escherichia coli:		1.19			2004	2014
01784	Recreation	Total Size Fecal Coliform:		8.62			2004	2016
Aquia Creek								
00812	Aquatic Life	Total Size Chloride:				0.37	2004	2016
00811	Recreation	Total Size Escherichia coli:		6.59			2006	2016
00811	Recreation	Total Size Fecal Coliform:		6.59			2004	2016
00812	Wildlife	Total Size Chloride:				0.37	2004	2016
Austin Creek								
00813	Recreation	Total Size Fecal Coliform:		0.81			2004	2016
Babbs Run								
01596	Recreation	Total Size Fecal Coliform:		14.44			2004	2016
Back Creek								
01612	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		13.36			2002	2014
Backlick Run								
00307	Recreation	Total Size Fecal Coliform:		6.45			2002	2010
Bay Segment POTMH								
01775	Aquatic Life	Total Size Oxygen, Dissolved:				32.39	2006	2010
60126	Aquatic Life	Total Size Aquatic Plants (Macrophytes):				2.23	2006	2010
01775	Deep-Water Aquatic Life	Total Size Oxygen, Dissolved:				6.65	2006	2010
01775	Open-Water Aquatic Life	Total Size Oxygen, Dissolved:				32.39	2006	2010
60126	Shallow-Water Submerged Aquatic Vegetation	Total Size Aquatic Plants (Macrophytes):				2.23	2006	2010
Bay Segment POTOH								
60123	Aquatic Life	Total Size Oxygen, Dissolved:				7.89	2006	2010
60123	Open-Water Aquatic Life	Total Size Oxygen, Dissolved:				7.89	2006	2010
Bay Segment POTTF								
60124	Aquatic Life	Total Size Aquatic Plants (Macrophytes):				16.16	2006	2010
60124	Shallow-Water Submerged Aquatic Vegetation	Total Size Aquatic Plants (Macrophytes):				16.16	2006	2010

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Beaverdam Creek								
60007	Recreation	Total Size Escherichia coli:	1.17				2006	2018
60007	Recreation	Total Size Fecal Coliform:	1.17				2006	2018
Beaverdam Creek, North Fork								
60008	Recreation	Total Size Escherichia coli:	2.45				2006	2018
60008	Recreation	Total Size Fecal Coliform:	2.45				2006	2018
Belmont Bay (Occoquan River)								
60067	Aquatic Life	Total Size Estuarine Bioassessments				0.39	2006	2018
Big Run								
50236	Recreation	Total Size Escherichia coli:	5.41				2006	2018
Boathouse Creek								
00930	Shellfishing	Total Size Fecal Coliform:				0.07	2004	2016
Bolling Branch								
60003	Recreation	Total Size Escherichia coli:	3.27				2006	2018
60003	Recreation	Total Size Fecal Coliform:	3.27				2006	2018
Bonum Creek								
00919	Shellfishing	Total Size Fecal Coliform:				0.20	1998	2008
Boone Run								
01619	Recreation	Total Size Fecal Coliform:	13.07				2002	2014
Borden Marsh Run								
50240	Recreation	Total Size Escherichia coli:	9.50				2006	2018
Branson Cove								
00909	Shellfishing	Total Size Fecal Coliform:				0.02	1998	2008
Bridge Creek								
10063	Shellfishing	Total Size Fecal Coliform:				0.09	2006	2018
Bridgeman Creek								
00931	Shellfishing	Total Size Fecal Coliform:				0.05	1998	2008
Bridges Creek								
00868	Recreation	Total Size Fecal Coliform:				0.19	2004	2016
Briery Branch								
01604	Aquatic Life	Total Size pH:	12.98				2002	2014
01606	Recreation	Total Size Fecal Coliform:	1.49				2004	2016

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TMDL Group ID	Use							
Broad Run								
60013	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	2.88				2006	2018
60131	Fish Consumption	Total Size PCB in Fish Tissue:	6.26				2006	2018
00225	Recreation	Total Size Escherichia coli:	7.26				2006	2008
00226	Recreation	Total Size Escherichia coli:	1.51				2006	2008
00227	Recreation	Total Size Escherichia coli:	1.06				2006	2008
60051	Recreation	Total Size Escherichia coli:	1.13				2006	2018
60052	Recreation	Total Size Escherichia coli:	2.23				2006	2018
00227	Recreation	Total Size Fecal Coliform:	1.06				2004	2008
60051	Recreation	Total Size Fecal Coliform:	1.13				2006	2018
Buckner Creek								
00910	Shellfishing	Total Size Fecal Coliform:				0.09	1998	2008
Buckner Creek, North Prong								
00917	Shellfishing	Total Size Fecal Coliform:				0.02	1998	2008
Bull Run								
00234	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	4.80				1996	2008
60136	Fish Consumption	Total Size PCB in Fish Tissue:	11.36	63.00			2006	2016
60058	Recreation	Total Size Escherichia coli:	4.37				2006	2018
00235	Recreation	Total Size Fecal Coliform:	4.80				2004	2008
Cameron Run/Hunting Creek								
60029	Recreation	Total Size Escherichia coli:	2.12				2006	2018
Catoctin Creek, South Fork								
00790	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	3.40				2004	2016
Catoctin Creek, Unnamed Tributary								
60001	Recreation	Total Size Escherichia coli:	4.12				2006	2018
Cedar Creek								
01645	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	2.53				2002	2014
Chapel Run								
40004	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	9.46				2006	2018

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TMDL Group ID	Use							
Chesapeake Bay 5 Mesohaline Embayments								
01766	Aquatic Life	Total Size Oxygen, Dissolved:					2.64	2006 2010
10061	Aquatic Life	Total Size Aquatic Plants (Macrophytes):					2.64	2006 2010
01766	Open-Water Aquatic Life	Total Size Oxygen, Dissolved:					2.64	2006 2010
10061	Shallow-Water Submerged Aquatic Vegetation	Total Size Aquatic Plants (Macrophytes):					2.64	2006 2010
Chopawamsic Creek								
00804	Aquatic Life	Total Size pH:		0.76			2002	2014
00805	Recreation	Total Size Escherichia coli:					0.12	2006 2016
00805	Recreation	Total Size Fecal Coliform:					0.12	2004 2016
Chopawamsic Creek, North Branch								
00806	Recreation	Total Size Escherichia coli:		6.90			2004	2016
Coan Mill								
00946	Recreation	Total Size Fecal Coliform:		1.53			2002	2014
Coan River								
10057	Fish Consumption	Total Size PCB in Fish Tissue:					3.06	2006 2018
00175	Shellfishing	Total Size Fecal Coliform:					0.05	1998 2018
10068	Shellfishing	Total Size Fecal Coliform:					0.06	2006 2018
85010	Shellfishing	Total Size Fecal Coliform:					0.35	1998 2018
Cod Creek								
00177	Shellfishing	Total Size Fecal Coliform:					0.14	1998 2008
Cold Harbor Bay								
00911	Shellfishing	Total Size Fecal Coliform:					0.09	2004 2008
Coles Run								
50058	Aquatic Life	Total Size pH:		6.12			2006	2018
Crooked Run								
01626	Recreation	Total Size Fecal Coliform:		11.88			2002	2014
60004	Recreation	Total Size Fecal Coliform:		1.82			2006	2018
Crooked Run, Cross Tributary								
50010	Aquatic Life	Total Size Oxygen, Dissolved:		0.09			2006	2018
Cub Run								
60059	Recreation	Total Size Escherichia coli:		6.75			2006	2018
00632	Recreation	Total Size Fecal Coliform:		9.64			2004	2016

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TMDL Group ID	Use							
Cubitt Creek								
00936	Recreation	Total Size Fecal Coliform:					0.23	1998 2016
00935	Shellfishing	Total Size Fecal Coliform:					0.23	1998 2016
Currioman Creek								
00912	Shellfishing	Total Size Fecal Coliform:					0.05	1998 2008
Curtis Lake								
50555	Aquatic Life	Total Size Oxygen, Dissolved:			54.00		2006	2018
50556	Aquatic Life	Total Size pH:			54.00		2002	2010
Deep Run								
01618	Aquatic Life	Total Size pH:		4.33			2004	2016
Difficult Run								
00304	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		2.93			1996	2008
60015	Fish Consumption	Total Size Heptachlor epoxide:		2.93			2006	2018
60132	Fish Consumption	Total Size PCB in Fish Tissue:		4.02			2006	2018
00793	Recreation	Total Size Escherichia coli:		2.93			2004	2016
60017	Recreation	Total Size Escherichia coli:		3.24			2006	2018
Dogue Creek								
60031	Recreation	Total Size Fecal Coliform:				0.74	2006	2018
Drum Cove								
10054	Shellfishing	Total Size Fecal Coliform:				0.04	2006	2018
Dry Fork								
40003	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		10.08			2006	2018
Dry River								
01608	Aquatic Life	Total Size pH:		14.04			2002	2014
Dungan Cove								
00920	Shellfishing	Total Size Fecal Coliform:				0.02	2004	2016
Elkhorn Lake								
50070	Aquatic Life	Total Size pH:			49.63		2006	2018
Elklick Run								
60060	Recreation	Total Size Escherichia coli:			2.16		2006	2018
60060	Recreation	Total Size Fecal Coliform:		2.16			2006	2018

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TMDL Group ID	Use							
Ellyson Creek								
10065	Shellfishing	Total Size Fecal Coliform:					0.05	2006 2018
Fairview Beach (Potomac River)								
60069	Recreation	Total Size Enterococcus:					0.01	2006 2018
Flint Run								
01622	Recreation	Total Size Fecal Coliform:		11.45			2004	2016
Fountain Cove								
10056	Shellfishing	Total Size Fecal Coliform:					0.04	2006 2018
Fourmile Run								
00305	Recreation	Total Size Escherichia coli:					0.05	2004 2010
00305	Recreation	Total Size Fecal Coliform:					0.05	1996 2010
Fridley Run								
01634	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	2.40				2002	2014
50063	Aquatic Life	Total Size pH:	2.40				2006	2014
Gambo Creek, Upper Machodoc Creek								
00821	Shellfishing	Total Size Fecal Coliform:					0.16	1998 2008
Gap Run								
30100	Recreation	Total Size Fecal Coliform:	3.02				2004	2016
Gardner Creek								
00921	Shellfishing	Total Size Fecal Coliform:					0.13	1998 2008
Goldman Creek								
10052	Shellfishing	Total Size Fecal Coliform:					0.05	2002 2018
Gooney Run								
50039	Aquatic Life	Total Size Temperature, water:	17.90				2006	2018
Goose Creek								
60130	Fish Consumption	Total Size PCB in Fish Tissue:	4.77	38.00			2006	2018
20022	Recreation	Total Size Escherichia coli:	4.16				2006	2016
60005	Recreation	Total Size Escherichia coli:	5.30				2006	2018
60011	Recreation	Total Size Escherichia coli:	3.20				2006	2018
60151	Recreation	Total Size Fecal Coliform:	6.88				2004	2003
Hampton Hall Branch								
00922	Shellfishing	Total Size Fecal Coliform:					0.43	1998 2010

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Potomac and Shenandoah River Basins

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TMDL Group ID	Use							
Happy Creek								
01624	Recreation	Total Size Fecal Coliform:		8.47			2004	2014
Headly Cove								
85011	Shellfishing	Total Size Fecal Coliform:				0.02	1998	2016
Hogue Creek								
01595	Recreation	Total Size Fecal Coliform:		16.58			2002	2014
Holmes Run								
00796	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		5.80			2004	2016
00795	Recreation	Total Size Fecal Coliform:		3.59			2004	2016
Hunting Creek								
00306	Recreation	Total Size Escherichia coli:				1.36	2006	2010
Indian Run								
60135	Fish Consumption	Total Size PCB in Fish Tissue:		2.98			2006	2018
Jackson Creek								
00923	Shellfishing	Total Size Fecal Coliform:				0.13	1998	2008
Jeremy's Run								
01623	Aquatic Life	Total Size pH:		10.97			2004	2016
Johns Run								
50059	Aquatic Life	Total Size pH:		4.89			2006	2018
Kennedy Creek								
50060	Aquatic Life	Total Size pH:		8.05			2006	2018
Kettle Run								
00230	Recreation	Total Size Escherichia coli:		7.59			2006	2008
60053	Recreation	Total Size Escherichia coli:		3.46			2006	2018
Killneck Creek								
10059	Shellfishing	Total Size Fecal Coliform:				0.07	2006	2018
Laurel Run								
01639	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		5.13			2002	2014
Lewis Creek								
00617	Fish Consumption	Total Size PCB in Fish Tissue:		9.73			2004	2016

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Potomac and Shenandoah River Basins

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TMDL Group ID	Use							
Lewis Run, Lower								
50062	Aquatic Life	Total Size pH:		3.67			2006	2018
Licking Run								
60049	Recreation	Total Size Escherichia coli:		6.77			2006	2018
Limestone Branch, Unnamed Tributary								
60002	Recreation	Total Size Escherichia coli:		1.90			2006	2018
Line Run								
50235	Recreation	Total Size Escherichia coli:		3.92			2006	2018
Little Creek								
60071	Recreation	Total Size Escherichia coli:		3.78			2006	2018
Little Dry River								
01629	Aquatic Life	Total Size pH:		34.74			2004	2016
01628	Recreation	Total Size Fecal Coliform:		34.74			2004	2016
Little Hunting Creek								
00798	Recreation	Total Size Escherichia coli:				0.25	2006	2016
Little River								
60012	Recreation	Total Size Escherichia coli:		6.72			2006	2018
Little Stony Creek								
01640	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		6.53			2004	2016
Little Wicomico River								
10026	Aquatic Life	Total Size pH:		2.36			2006	2018
10067	Recreation	Total Size Enterococcus:				0.47	2006	2018
10066	Shellfishing	Total Size Fecal Coliform:				0.15	2006	2018
85001	Shellfishing	Total Size Fecal Coliform:				0.27	2004	2018
Little Wicomico River: Slough Creek								
10064	Shellfishing	Total Size Fecal Coliform:				0.04	2006	2018
Lodge Creek								
10053	Recreation	Total Size Enterococcus:				0.28	2006	2018
00925	Shellfishing	Total Size Fecal Coliform:				0.25	1998	2008
Long Branch								
01647	Recreation	Total Size Fecal Coliform:		3.62			2004	2016

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TMDL Group ID	Use							
Long Meadow Run								
01630	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		8.56			2002	2014
50045	Aquatic Life	Total Size Temperature, water:		10.08			2006	2018
Loves Run								
50057	Aquatic Life	Total Size pH:		5.06			2006	2018
Machodoc Creek, Lower								
00914	Shellfishing	Total Size Fecal Coliform:				0.51	1998	2008
Machodoc Creek, Upper								
00823	Aquatic Life	Total Size pH:				0.43	2002	2014
00828	Aquatic Life	Total Size pH:		2.19			2004	2014
60070	Recreation	Total Size Enterococcus:				0.43	2006	2018
00829	Recreation	Total Size Fecal Coliform:		2.19			2004	2016
00822	Shellfishing	Total Size Fecal Coliform:				0.52	1998	2008
Manassas Run								
01625	Recreation	Total Size Fecal Coliform:		9.17			2004	2014
Mattox Creek								
10021	Aquatic Life	Total Size Oxygen, Dissolved:		32.10			2006	2018
00646	Aquatic Life	Total Size pH:		32.10			2002	2014
00238	Recreation	Total Size Enterococcus:				0.64	2006	2010
00907	Recreation	Total Size Fecal Coliform:		32.10			2002	2014
00678	Shellfishing	Total Size Fecal Coliform:				0.63	1996	2008
Meadow Run								
01615	Aquatic Life	Total Size pH:		6.87			2004	2016
Mill Creek								
00251	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		14.99			1998	2006
00928	Aquatic Life	Total Size pH:		3.95			2002	2014
00929	Recreation	Total Size Fecal Coliform:		3.95			2002	2014
01636	Recreation	Total Size Fecal Coliform:		14.99			2002	2014
00926	Shellfishing	Total Size Fecal Coliform:				0.15	1998	2008
85012	Shellfishing	Total Size Fecal Coliform:				0.10	1998	2016
Mills Branch								
01613	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		8.50			2002	2014
00802	Recreation	Total Size Fecal Coliform:		1.81			2002	2014

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TMDL Group ID	Use							
Milltown Creek								
60000	Recreation	Total Size Escherichia coli:		3.85			2006	2018
Mine Run								
60018	Recreation	Total Size Escherichia coli:		0.93			2006	2018
Monroe Creek								
10023	Aquatic Life	Total Size Oxygen, Dissolved:		9.68			2006	2018
10022	Aquatic Life	Total Size pH:		9.68			2006	2018
00584	Fish Consumption	Total Size PCB in Fish Tissue:				1.45	2004	2016
00903	Shellfishing	Total Size Fecal Coliform:				0.48	1998	2006
Mountain Run								
01635	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		5.98			2002	2014
Naked Creek								
00404	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		12.42			1998	2010
Narrow Passage Creek								
01642	Recreation	Total Size Fecal Coliform:		10.77			2002	2014
Neabsco Bay								
00308	Aquatic Life	Total Size pH:				0.80	2002	2010
00800	Recreation	Total Size Fecal Coliform:				0.80	2004	2016
Neabsco Creek								
00310	Recreation	Total Size Fecal Coliform:		8.80			2002	2007
Nomini Creek								
00915	Shellfishing	Total Size Fecal Coliform:				0.53	1998	2008
North River								
01603	Aquatic Life	Total Size pH:		28.03			2002	2014
00205	Recreation	Total Size Fecal Coliform:		3.39			2002	2006
Occoquan Bay								
00309	Aquatic Life	Total Size pH:				0.59	2002	2010
Occoquan Reservoir								
00282	Aquatic Life	Total Size Oxygen, Dissolved:		1,328.00			2002	2010

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Potomac and Shenandoah River Basins

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Occoquan River								
60055	Recreation	Total Size Escherichia coli:	3.07				2006	2018
00231	Recreation	Total Size Fecal Coliform:	1.61				2004	2008
00801	Recreation	Total Size Fecal Coliform:			0.05	2004	2016	
Orebank Creek								
50061	Aquatic Life	Total Size pH:	3.00				2006	2018
Page Brook Run								
01648	Recreation	Total Size Fecal Coliform:	8.83				2004	2016
Paine Run								
01616	Aquatic Life	Total Size pH:	6.25				2004	2016
Panther Skin Creek								
60006	Recreation	Total Size Escherichia coli:	5.05				2006	2018
Passage Creek								
40112	Recreation	Total Size Fecal Coliform:	18.50				2006	2016
Pimmit Run								
60022	Fish Consumption	Total Size Chlordane:	1.63				2006	2018
60023	Fish Consumption	Total Size Heptachlor epoxide:	1.63				2006	2018
60134	Fish Consumption	Total Size PCB in Fish Tissue:	4.16				2006	2018
00794	Recreation	Total Size Fecal Coliform:	7.38				2002	2014
Pohick Bay								
60041	Recreation	Total Size Fecal Coliform:		0.61	2006	2018		
60044	Recreation	Total Size Fecal Coliform:		0.29	2006	2018		
Pohick Creek								
00799	Fish Consumption	Total Size Benzo[k]fluoranthene:	3.20				2002	2014
60046	Recreation	Total Size Escherichia coli:	4.72				2006	2018
Popes Creek								
10019	Aquatic Life	Total Size Oxygen, Dissolved:	13.69				2006	2018
10020	Aquatic Life	Total Size pH:	13.69				2006	2018
00905	Recreation	Total Size Enterococcus:		0.41	2006	2014		
00905	Recreation	Total Size Fecal Coliform:		0.41	1998	2014		
00904	Shellfishing	Total Size Fecal Coliform:		0.41	1998	2014		
Popes Head Creek								
00237	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	4.92				1998	2008
00236	Recreation	Total Size Escherichia coli:	4.92				2006	2016

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Potomac Creek								
00814	Aquatic Life	Total Size Chloride:					0.60	2004 2016
00818	Aquatic Life	Total Size Oxygen, Dissolved:		2.23			2002	2014
00815	Aquatic Life	Total Size pH:					0.60	2002 2014
00819	Aquatic Life	Total Size pH:		2.23			2004	2016
00820	Recreation	Total Size Escherichia coli:		6.11			2006	2016
00814	Wildlife	Total Size Chloride:					0.60	2004 2016
Potomac Mesohaline Embayments								
10051	Aquatic Life	Total Size Aquatic Plants (Macrophytes):					30.16	2006 2010
10051	Shallow-Water Submerged Aquatic Vegetation	Total Size Aquatic Plants (Macrophytes):					30.16	2006 2010
Potomac River, South Branch								
50228	Recreation	Total Size Escherichia coli:		10.16			2006	2018
Potomac River, Tidal (Accotink Creek)								
20005	Fish Consumption	Total Size PCB in Fish Tissue:					0.35	2002 2014
Potomac River, Tidal (Chopawamsic Creek)								
20013	Fish Consumption	Total Size PCB in Fish Tissue:					1.10	2002 2014
Potomac River, Tidal (Dogue Creek)								
20003	Fish Consumption	Total Size PCB in Fish Tissue:					0.74	2002 2014
Potomac River, Tidal (Fourmile Run)								
20000	Fish Consumption	Total Size PCB in Fish Tissue:					0.05	2002 2014
Potomac River, Tidal (Hooff Run)								
20001	Fish Consumption	Total Size PCB in Fish Tissue:					0.01	2006 2014
Potomac River, Tidal (Hunting Creek)								
20002	Fish Consumption	Total Size PCB in Fish Tissue:					1.36	2004 2014
Potomac River, Tidal (Little Hunting Creek)								
20004	Fish Consumption	Total Size PCB in Fish Tissue:					0.25	2002 2014
Potomac River, Tidal (Neabsco Creek)								
20007	Fish Consumption	Total Size PCB in Fish Tissue:					1.03	2002 2014
Potomac River, Tidal (Occoquan River)								
20008	Fish Consumption	Total Size PCB in Fish Tissue:					7.57	2002 2014
Potomac River, Tidal (Pohick Creek)								
20006	Fish Consumption	Total Size PCB in Fish Tissue:		3.20			2.42	2002 2014

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Potomac Run								
60073	Recreation	Total Size Escherichia coli:		6.22			2006	2018
Powells Creek								
00807	Fish Consumption	Total Size Benzo[k]fluoranthene:		5.02			2002	2014
00808	Recreation	Total Size Escherichia coli:		5.02			2006	2014
Presley Creek								
00941	Shellfishing	Total Size Fecal Coliform:				0.30	1998	2008
Pugh's Run								
01643	Recreation	Total Size Fecal Coliform:		5.86			2004	2016
Purcell Branch								
60056	Recreation	Total Size Escherichia coli:		3.16			2006	2018
Quail Run								
01621	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		1.32			2002	2014
00666	Recreation	Total Size Fecal Coliform:		4.88			2004	2014
Quantico Creek								
60109	Aquatic Life	Total Size Estuarine Bioassessments				0.43	2006	2018
60112	Aquatic Life	Total Size Sediment Bioassays for Estuarine and Marine Water:				0.43	2006	2018
00577	Fish Consumption	Total Size PCB in Fish Tissue:		1.29			2002	2014
00809	Recreation	Total Size Escherichia coli:		1.29			2006	2016
00809	Recreation	Total Size Fecal Coliform:		1.29			2004	2016
Quantico Creek, South Fork								
00810	Recreation	Total Size Escherichia coli:		4.64			2004	2016
Redbud Run								
97006	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		8.02			2004	2016
Rocky Branch								
01042	Aquatic Life	Total Size pH:		4.17			2004	2016
Rocky Run								
50055	Aquatic Life	Total Size pH:		1.92			2006	2018
Rogers Creek								
00942	Shellfishing	Total Size Fecal Coliform:				0.03	1998	2008
Rosier Creek								
00906	Shellfishing	Total Size Fecal Coliform:				0.30	1998	2006

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Shannon Branch								
10055	Shellfishing	Total Size Fecal Coliform:					0.13	2006 2018
Shenandoah River, North Fork								
00240	Recreation	Total Size Fecal Coliform:		31.85			1996	2006
Shenandoah River, South Fork								
00402	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		58.99			1998	2010
00403	Recreation	Total Size Fecal Coliform:		58.99			2002	2010
Snakeden Branch								
60019	Recreation	Total Size Escherichia coli:		0.79			2006	2018
South River								
00400	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		5.44			1996	2010
South River, Lower								
01617	Recreation	Total Size Escherichia coli:		18.91			2006	2010
01617	Recreation	Total Size Fecal Coliform:		24.71			1996	2010
South River/South Fork Shenandoah River Hg								
00541	Fish Consumption	Total Size Mercury in Fish Tissue:		127.98			1998	2010
South Run								
00229	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		2.34			1998	2006
00228	Recreation	Total Size Fecal Coliform:		2.34			2004	2008
Spout Run								
00411	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		3.70			1998	2010
00412	Recreation	Total Size Fecal Coliform:		3.70			1998	2010
Spring Cove								
00943	Recreation	Total Size Fecal Coliform:					0.01	2004 2016
Spring Cove and Hull Creek								
00939	Shellfishing	Total Size Fecal Coliform:					0.36	1998 2008
Staunton Dam Lake								
50053	Aquatic Life	Total Size pH:				23.21	2006	2018
Stephens Run								
01627	Recreation	Total Size Fecal Coliform:		9.99			2004	2014

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Stony Creek								
50040	Aquatic Life	Total Size Temperature, water:	9.46				2006	2018
00252	Recreation	Total Size Fecal Coliform:	17.03				2002	2006
Straight Fork								
01585	Aquatic Life	Total Size pH:	7.04				2004	2016
Strait Creek								
01588	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	3.24				2002	2014
50229	Recreation	Total Size Escherichia coli:	6.01				2006	2018
Sugarland Run								
00792	Recreation	Total Size Escherichia coli:	5.75				2006	2014
Switzer Lake								
50037	Aquatic Life	Total Size Temperature, water:		96.51			2006	2018
50069	Aquatic Life	Total Size pH:		96.51			2006	2018
The Glebe								
00938	Shellfishing	Total Size Fecal Coliform:			0.04	2004	2016	
10060	Shellfishing	Total Size Fecal Coliform:			0.26	2006	2018	
85500	Shellfishing	Total Size Fecal Coliform:			0.10	1998	2016	
Thompson Branch								
10024	Aquatic Life	Total Size Oxygen, Dissolved:	1.66				2006	2018
10025	Aquatic Life	Total Size pH:	1.66				2006	2018
Thorny Branch								
01605	Recreation	Total Size Fecal Coliform:	7.10				2004	2016
Tidal Potomac River (Aquia Creek)								
20014	Fish Consumption	Total Size PCB in Fish Tissue:			3.73	2006	2014	
Tidal Potomac River (Potomac Creek)								
20015	Fish Consumption	Total Size PCB in Fish Tissue:			2.55	2004	2014	
Tidal Potomac River (Potomac River)								
20016	Fish Consumption	Total Size PCB in Fish Tissue:			0.14	2006	2014	
Tidal Potomac River (Powells Creek)								
20010	Fish Consumption	Total Size PCB in Fish Tissue:	5.02		1.69	2002	2014	
Tidal Potomac River (Quantico Creek)								
20011	Fish Consumption	Total Size PCB in Fish Tissue:			0.71	2002	2014	

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Tidal Potomac River (Upper Machodoc Creek)								
20018	Fish Consumption	Total Size PCB in Fish Tissue:					1.86	2006 2014
Trapp Branch								
60054	Recreation	Total Size Escherichia coli:	1.49				2006	2018
Tripps Run								
00797	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	2.25				2004	2016
Tumbling Run								
01644	Recreation	Total Size Fecal Coliform:	4.15				2004	2016
Turkey Run								
60050	Recreation	Total Size Escherichia coli:	3.62				2006	2018
Turley Creek								
01631	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	4.02				2002	2014
01632	Recreation	Total Size Fecal Coliform:	4.02				2002	2014
Tuscarora Creek								
30101	Recreation	Total Size Fecal Coliform:	3.55				2004	2016
Two Mile Run								
97101	Aquatic Life	Total Size pH:	4.72				2006	2018
Union Spring Branch								
50056	Aquatic Life	Total Size pH:	3.65				2006	2018
Weatherall Creek								
00918	Shellfishing	Total Size Fecal Coliform:					0.05	2004 2016
West Strait Creek								
01589	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	1.17				1996	2010
White Point Creek								
00927	Shellfishing	Total Size Fecal Coliform:					0.08	1998 2008
Williams Creek								
00827	Aquatic Life	Total Size pH:					0.02	2004 2014
Williams Creek/Upper Machodoc Creek								
00825	Aquatic Life	Total Size pH:					0.13	2004 2014
00826	Shellfishing	Total Size Fecal Coliform:					0.13	1998 2008

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Willow Brook								
50241	Recreation	Total Size Escherichia coli:	3.98				2006	2018
Wolf Run								
01607	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	3.11				2002	2014
50054	Aquatic Life	Total Size pH:	3.11				2006	2018
60062	Recreation	Total Size Escherichia coli:	2.17				2006	2018
Wrights Cove								
00944	Shellfishing	Total Size Fecal Coliform:				0.04	2004	2016

*VA DEQ is transitioning from fecal coliform bacteria to Escherichia coli (fresh water) and Enterrococci (salt water) for assessing the Recreation Use. These impairments have the same TMDL Group IDs but should not be added to arrive at the total impaired size. When a TMDL Study is conducted both pathogens are covered by the study. Other overlaps between Aquatic Life and its sub-uses as well as Wildlife also occur. Different sizes apply to the sub-uses; Deep-Water, Deep-Channel and SAV. The EPA Assessment Database system can accept only one size value at this time.

*The 2006 Draft IR contained Category 4A and Category 4C Impairments embedded within Virginia Category 5D Waters. Category 4A and Category 4C Impairments are removed from this Final 303(d) List.

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James River Basin

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
01171	Recreation	Total Size Fecal Coliform:			4.06		2004	
Almond Creek								
00334	Aquatic Life	Total Size pH:		2.26			2004	2016
01128	Recreation	Total Size Escherichia coli:		2.26			2006	2008
01128	Recreation	Total Size Fecal Coliform:		2.26			1998	2008
Appomattox River								
50091	Recreation	Total Size Escherichia coli:		10.77			2006	2018
Appomattox River, Lower and Ashton Creek								
01761	Fish Consumption	Total Size PCB in Fish Tissue:		8.17		2.57	2002	2014
Appomattox River, Lower and Tributaries								
15008	Aquatic Life	Total Size Aquatic Plants (Macrophytes):		0.09		2.62	2006	2010
85000	Recreation	Total Size Escherichia coli:		2.39			2006	2014
85000	Recreation	Total Size Fecal Coliform:		5.52			2004	2014
15008	Shallow-Water Submerged Aquatic Vegetation	Total Size Aquatic Plants (Macrophytes):		0.09		2.62	2006	2010
Ashton Creek								
15012	Recreation	Total Size Escherichia coli:		8.48			2006	2018
Austin Creek								
00734	Recreation	Total Size Fecal Coliform:		6.14			2004	2007
Bailey Creek								
00526	Fish Consumption	Total Size Aldrin:		6.54			2002	2014
00589	Fish Consumption	Total Size PCB in Fish Tissue:		6.54			2002	2014
00339	Recreation	Total Size Fecal Coliform:		6.54			1998	2008
Bailey Creek (tidal), Cattail Creek (tidal) (JMSTFL)								
01782	Aquatic Life	Total Size Oxygen, Dissolved:		0.81		30.05	2006	2010
01782	Open-Water Aquatic Life	Total Size Oxygen, Dissolved:		0.81		30.05	2006	2010
Bailey Creek/Cattail Creek								
01142	Aquatic Life	Total Size pH:				0.29	2004	2016
00587	Fish Consumption	Total Size PCB in Fish Tissue:				0.29	2002	2014
00335	Recreation	Total Size Escherichia coli:				0.29	1998	2008
Ballard Creek - Upper (Tributary to James River)								
76700	Shellfishing	Total Size Fecal Coliform:				0.02	2006	2010

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Ballinger Creek								
01656	Recreation	Total Size Fecal Coliform:		9.91			2004	2007
Baptist Run								
01509	Recreation	Total Size Fecal Coliform:		1.70			2004	2016
Barbours Creek								
50036	Aquatic Life	Total Size Temperature, water:		6.32			2006	2018
Barbours Creek, Lower								
01697	Aquatic Life	Total Size Temperature, water:		7.07			2002	2014
01696	Recreation	Total Size Fecal Coliform:		7.07			2004	2016
Bear Creek Lake								
50073	Aquatic Life	Total Size pH:			43.13		2006	2018
Bear Garden Creek								
00730	Recreation	Total Size Fecal Coliform:		9.21			2002	2014
Beaver Creek								
00765	Recreation	Total Size Fecal Coliform:		8.50			2004	2016
01662	Recreation	Total Size Fecal Coliform:		4.80			2004	2016
Beaver Creek Reservoir								
50052	Aquatic Life	Total Size pH:			104.00		2006	2018
Beaverdam Creek								
01170	Aquatic Life	Total Size Oxygen, Dissolved:		4.06			2002	2014
01155	Aquatic Life	Total Size pH:		6.05			2004	2014
10109	Recreation	Total Size Escherichia coli:		6.05			2006	2018
01177	Recreation	Total Size Fecal Coliform:		8.73			2004	2016
Bennett Creek								
00609	Fish Consumption	Total Size PCB in Fish Tissue:			0.50	2006	2016	
01512	Recreation	Total Size Enterococcus:			0.50	2006	2016	
01294	Shellfishing	Total Size Fecal Coliform:			0.50	2006	2008	
Bent Creek								
00769	Recreation	Total Size Fecal Coliform:		13.50			2004	2016
Bernards Creek								
01183	Recreation	Total Size Fecal Coliform:		6.97			2004	2008
Big Guinea Creek								
00167	Recreation	Total Size Escherichia coli:		8.46			2006	2016
00167	Recreation	Total Size Fecal Coliform:		8.46			2004	2016

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Big Lickinghole Creek/Little Lickinghole Creek								
01176	Recreation	Total Size Fecal Coliform:	29.54				2002	2008
Blackman Creek								
01304	Aquatic Life	Total Size Oxygen, Dissolved:	4.45				2004	2016
01305	Aquatic Life	Total Size pH:	4.45				2004	2016
Blackwater Creek								
00358	Recreation	Total Size Escherichia coli:	10.30				2006	2010
00358	Recreation	Total Size Fecal Coliform:	10.30				1996	2010
Bleakhorn Creek - Tributary to Nansemond R.								
01299	Shellfishing	Total Size Fecal Coliform:					0.04	2006 2008
Bloody Run								
01153	Aquatic Life	Total Size Oxygen, Dissolved:	1.05				2004	2016
01154	Aquatic Life	Total Size pH:	1.05				2004	2016
Boatswain Creek								
01156	Aquatic Life	Total Size pH:	3.41				2004	2014
10039	Recreation	Total Size Escherichia coli:	3.41				2006	2018
Bolar Run								
50043	Aquatic Life	Total Size Temperature, water:	6.40				2006	2018
Broad Axe Run								
01661	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	1.95				2004	2016
Broad Branch								
10042	Aquatic Life	Total Size pH:	2.56				2006	2018
Broad Creek, Eastern Branch								
00353	Recreation	Total Size Enterococcus:					0.37	2006 2008
Broad Creek, Eastern Branch Elizabeth River								
00611	Fish Consumption	Total Size PCB in Fish Tissue:					0.74	2006 2016
Broad Rock Creek								
10029	Recreation	Total Size Escherichia coli:	3.28				2006	2018
Buffalo Creek								
50096	Recreation	Total Size Escherichia coli:	11.43				2006	2018
01685	Recreation	Total Size Fecal Coliform:	15.49				2004	2016

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Buffalo River								
00728	Recreation	Total Size Escherichia coli:	5.87				2006	2016
00728	Recreation	Total Size Fecal Coliform:	5.87				2004	2016
50304	Recreation	Total Size Fecal Coliform:	7.79				2004	2016
Bullpasture River								
50250	Recreation	Total Size Escherichia coli:	24.25				2006	2018
Burnetts Mill Creek - Tributary to Nansemond R.								
76145	Shellfishing	Total Size Fecal Coliform:				0.03	2006	2010
Burton Creek								
50085	Recreation	Total Size Escherichia coli:	3.47				2006	2018
Butterwood Creek								
15018	Recreation	Total Size Fecal Coliform:	5.37				2006	2018
Byrd Creek								
00373	Recreation	Total Size Fecal Coliform:	25.97				2002	2008
Calfpasture River								
50251	Recreation	Total Size Escherichia coli:	23.60				2006	2018
Carbell Swamp								
01516	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	3.62				2004	2016
01517	Aquatic Life	Total Size pH:	3.62				2004	2014
Catawba Creek								
01702	Recreation	Total Size Fecal Coliform:	24.27				2004	2014
Cedar Creek								
50260	Recreation	Total Size Escherichia coli:	3.37				2006	2018
01676	Recreation	Total Size Fecal Coliform:	11.52				2002	2014
50260	Recreation	Total Size Fecal Coliform:	3.37				2006	2018
Cedar Grove Branch								
01679	Recreation	Total Size Fecal Coliform:	4.66				2004	2008
Chickahominy Lake								
00449	Aquatic Life	Total Size Oxygen, Dissolved:		1,500.00			1998	2010

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Chickahominy River								
01145	Aquatic Life	Total Size Chloride:					5.47	2004 2016
00447	Aquatic Life	Total Size Oxygen, Dissolved:	8.23					1996 2010
01149	Aquatic Life	Total Size Oxygen, Dissolved:	14.98					2004 2016
10096	Aquatic Life	Total Size Oxygen, Dissolved:					9.44	2006 2010
10097	Aquatic Life	Total Size Aquatic Plants (Macrophytes):					9.44	2006 2010
01762	Fish Consumption	Total Size PCB in Fish Tissue:					6.84	2004 2016
10096	Open-Water Aquatic Life	Total Size Oxygen, Dissolved:					9.44	2006 2010
10098	Recreation	Total Size Enterococcus:					5.47	2006 2018
01150	Recreation	Total Size Fecal Coliform:	14.98					2004 2016
10097	Shallow-Water Submerged Aquatic Vegetation	Total Size Aquatic Plants (Macrophytes):					9.44	2006 2010
01145	Wildlife	Total Size Chloride:					5.47	2004 2016
Chickahominy River, Unnamed Tributary								
10037	Aquatic Life	Total Size Oxygen, Dissolved:	0.58					2006 2018
90070	Aquatic Life	Total Size pH:	0.58					2006 2018
Chuckatuck Creek								
01510	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	1.44					2004 2016
Chuckatuck Creek, Lower								
01281	Shellfishing	Total Size Fecal Coliform:					1.44	2006 2008
Coles Run, Unnamed Tributary								
10094	Aquatic Life	Total Size Oxygen, Dissolved:	1.14					2006 2018
10095	Aquatic Life	Total Size pH:	1.14					2006 2018
College Creek - Lower								
76030	Recreation	Total Size Enterococcus:					0.15	2006 2018
College Run								
01495	Recreation	Total Size Fecal Coliform:	2.30					2004 2016
Colliers Creek								
50258	Recreation	Total Size Fecal Coliform:	13.80					2006 2018
Collins Run								
01163	Aquatic Life	Total Size pH:	4.36					2002 2014
01164	Recreation	Total Size Fecal Coliform:	5.35					2002 2014
Courthouse Creek								
10110	Recreation	Total Size Escherichia coli:	9.82					2006 2018

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James River Basin

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Cowpasture River								
01673	Recreation	Total Size Fecal Coliform:		32.08			2004	2016
Craig Creek, Upper								
01693	Recreation	Total Size Fecal Coliform:		7.78			2004	2016
Crewes Channel								
01137	Aquatic Life	Total Size pH:		3.31			2004	2014
Cunningham Creek, Middle Fork								
01671	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		3.72			2004	2016
50249	Recreation	Total Size Escherichia coli:		3.94			2006	2018
Cypress Creek								
76701	Shellfishing	Total Size Fecal Coliform:				0.26	2006	2010
Deep Creek								
00612	Fish Consumption	Total Size PCB in Fish Tissue:				0.27	2006	2016
Deep Creek, Lower								
00347	Recreation	Total Size Enterococcus:				0.10	2006	2007
Deep Run								
10122	Aquatic Life	Total Size Oxygen, Dissolved:		2.33			2006	2018
Dunlap Creek								
50261	Recreation	Total Size Escherichia coli:		6.32			2006	2018
Eley Swamp								
00350	Aquatic Life	Total Size pH:		4.60			1998	2010
Elizabeth River								
76301	Aquatic Life	Total Size Estuarine Bioassessments				12.17	2006	2014
00356	Aquatic Life	Total Size Tributyltin TBT (Tributylstanne):				10.23	1996	2010
Elizabeth River Mainstem - Upper								
76041	Recreation	Total Size Enterococcus:				0.40	2006	2018
Elizabeth River Polyhaline Embayments								
76089	Aquatic Life	Total Size Oxygen, Dissolved:				9.84	2006	2010
76089	Open-Water Aquatic Life	Total Size Oxygen, Dissolved:				9.84	2006	2010
Elizabeth River, Eastern Branch								
76550	Recreation	Total Size Enterococcus:				1.06	2006	2016

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Elizabeth River, Eastern Branch (Middle)								
00613	Fish Consumption	Total Size PCB in Fish Tissue:					1.06	2006 2016
Elizabeth River, Eastern Branch Mesohaline Embayments								
76090	Aquatic Life	Total Size Oxygen, Dissolved:					4.23	2006 2010
76090	Open-Water Aquatic Life	Total Size Oxygen, Dissolved:					4.23	2006 2010
Elizabeth River, Southern Branch								
76300	Aquatic Life	Total Size Estuarine Bioassessments					0.59	2006 2016
00693	Recreation	Total Size Enterococcus:					0.59	2006 2010
Elizabeth River, Southern Branch - Middle								
76302	Aquatic Life	Total Size Estuarine Bioassessments					1.01	2006 2014
Elizabeth River, Southern Branch Mesohaline Embayments								
76078	Aquatic Life	Total Size Oxygen, Dissolved:					2.74	2006 2010
76078	Deep-Water Aquatic Life	Total Size Oxygen, Dissolved:					2.74	2006 2010
76078	Open-Water Aquatic Life	Total Size Oxygen, Dissolved:					2.74	2006 2010
Elizabeth River, Western Branch								
00616	Fish Consumption	Total Size PCB in Fish Tissue:					2.16	2006 2016
01538	Recreation	Total Size Enterococcus:					2.16	2006 2016
Elizabeth River, Western Branch Mesohaline Embayments								
76074	Aquatic Life	Total Size Oxygen, Dissolved:					0.24	2006 2010
76074	Open-Water Aquatic Life	Total Size Oxygen, Dissolved:					0.24	2006 2010
Ellis Run and Mill Creek								
01703	Recreation	Total Size Escherichia coli:				9.89		2004 2014
Falling Creek								
01129	Recreation	Total Size Escherichia coli:			3.80			2006 2014
10002	Recreation	Total Size Escherichia coli:		15.39				2006 2018
10002	Recreation	Total Size Fecal Coliform:	15.39					2006 2018
Fine Creek								
01178	Recreation	Total Size Escherichia coli:		10.34				2006 2008
01178	Recreation	Total Size Fecal Coliform:	10.34					2004 2008
Fisby Branch								
00735	Recreation	Total Size Fecal Coliform:		3.93				2002 2007
Fishing Creek								
00359	Recreation	Total Size Fecal Coliform:		5.45				1996 2008

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Fluvanna Ruritan Lake								
50051	Aquatic Life	Total Size pH:			70.00		2006	2018
Fourmile Creek								
00051	Recreation	Total Size Escherichia coli:		5.79			2006	2004
Fourmile Creek, Upper								
10030	Aquatic Life	Total Size Oxygen, Dissolved:		5.79			2006	2018
Franks Branch								
15013	Aquatic Life	Total Size pH:			10.04		2006	2018
Gillies Creek								
01133	Aquatic Life	Total Size pH:		5.79			2004	2016
01131	Recreation	Total Size Fecal Coliform:		5.79			2004	2008
Goode Creek								
01132	Recreation	Total Size Escherichia coli:		1.23			2006	2008
01132	Recreation	Total Size Fecal Coliform:		1.23			2002	2008
Goodwin Lake								
50018	Aquatic Life	Total Size Oxygen, Dissolved:			13.45		2006	2018
Gordon Creek								
10099	Aquatic Life	Total Size Estuarine Bioassessments				0.30	2006	2018
Graham Creek								
00764	Recreation	Total Size Fecal Coliform:		5.20			2002	2014
Grassy Swamp Creek								
10036	Aquatic Life	Total Size pH:			0.99		2006	2018
Gunns Run								
01143	Aquatic Life	Total Size Oxygen, Dissolved:		4.64			2002	2014
00338	Aquatic Life	Total Size pH:		4.64			1998	2010
Hardware River								
00368	Recreation	Total Size Fecal Coliform:			23.11		2002	2008
Hardware River, North Fork								
01658	Recreation	Total Size Fecal Coliform:		10.39			2004	2008
Harrison Lake								
10124	Aquatic Life	Total Size Oxygen, Dissolved:			90.00		2006	2018
10123	Aquatic Life	Total Size pH:			90.00		2006	2018

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Hat Creek								
01649	Recreation	Total Size Fecal Coliform:		9.61			2004	2016
Hays and Moffatts Creeks								
01680	Recreation	Total Size Fecal Coliform:		19.64			1998	2008
Hays Creek								
50038	Aquatic Life	Total Size Temperature, water:		11.99			2006	2018
Hoffler Creek								
76350	Shellfishing	Total Size Fecal Coliform:				0.06	2006	2018
Horsepen Branch								
15021	Aquatic Life	Total Size Oxygen, Dissolved:		4.37			2006	2018
15020	Aquatic Life	Total Size pH:		4.37			2006	2018
Horsepen Creek								
50092	Recreation	Total Size Fecal Coliform:		3.91			2006	2018
Indian River, Eastern Branch								
01523	Recreation	Total Size Enterococcus:				0.27	2006	2014
Ivy Creek								
50064	Aquatic Life	Total Size pH:		5.23			2006	2018
00360	Recreation	Total Size Fecal Coliform:		5.37			1998	2008
Jackson River								
00280	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		0.47			1996	2008
00457	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		23.74			1996	2008
00281	Aquatic Life	Total Size Oxygen, Dissolved:		0.47			1996	2008
00458	Aquatic Life	Total Size Oxygen, Dissolved:		10.74			1996	2008
01672	Aquatic Life	Total Size Temperature, water:		11.21			2004	2016

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
James River								
00453	Aquatic Life		Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	3.29			1996	2010
00460	Aquatic Life		Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	15.36			1998	2010
00461	Aquatic Life		Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	4.99			1998	2010
01148	Aquatic Life		Total Size Estuarine Bioassessments			9.20	2004	2016
76105	Aquatic Life		Total Size Estuarine Bioassessments			46.96	2006	2016
76106	Aquatic Life		Total Size Estuarine Bioassessments			98.28	2006	2016
01187	Aquatic Life		Total Size Oxygen, Dissolved:	3.29			2002	2014
10125	Aquatic Life		Total Size Oxygen, Dissolved:			9.47	2006	2010
50066	Aquatic Life		Total Size pH:	14.58			2006	2018
00442	Aquatic Life		Total Size Aquatic Plants (Macrophytes):	0.81		47.53	2006	2010
00545	Fish Consumption		Total Size PCB in Fish Tissue:	59.32			2006	2016
00546	Fish Consumption		Total Size PCB in Fish Tissue:	117.31			2004	2016
00585	Fish Consumption		Total Size PCB in Fish Tissue:			44.19	2002	2014
00605	Fish Consumption		Total Size PCB in Fish Tissue:			13.65	2006	2014
10125	Open-Water Aquatic Life		Total Size Oxygen, Dissolved:			9.47	2006	2010
00441	Recreation		Total Size Escherichia coli:			7.16	1996	2008
00445	Recreation		Total Size Escherichia coli:			13.82	2006	2008
00452	Recreation		Total Size Escherichia coli:	3.29			2006	2008
00455	Recreation		Total Size Escherichia coli:	3.05			2006	2014
00361	Recreation		Total Size Fecal Coliform:	18.43			1996	2008
00441	Recreation		Total Size Fecal Coliform:			2.93	1996	2008
00445	Recreation		Total Size Fecal Coliform:			13.82	2002	2008
00451	Recreation		Total Size Fecal Coliform:	10.08			2002	2010
00452	Recreation		Total Size Fecal Coliform:	3.29			1996	2008
00766	Recreation		Total Size Fecal Coliform:	6.15			2002	2014
01173	Recreation		Total Size Fecal Coliform:	26.51			2004	2008
01174	Recreation		Total Size Fecal Coliform:	4.34			2004	2016
50090	Recreation		Total Size Fecal Coliform:	16.37			2006	2018
00442	Shallow-Water Submerged Aquatic Vegetation		Total Size Aquatic Plants (Macrophytes):	0.81		47.53	2006	2010

James River - Huntington Beach Area

76032	Recreation	Total Size Enterococcus:	0.01	2006	2018
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James River - Anderson Park Beach Area

76043	Recreation	Total Size Enterococcus:	0.01	2006	2018
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James River - Hilton Beach Area

76031	Recreation	Total Size Enterococcus:	0.11	2006	2018
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James River Basin

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
James River - King/Lincoln Park Beach Area								
76042	Recreation	Total Size Enterococcus:					0.01	2006 2018
James River (Dry Ditch), Unnamed Tributary								
01134	Aquatic Life	Total Size Oxygen, Dissolved:	0.35				2004	2016
01135	Aquatic Life	Total Size pH:	0.35				2004	2016
James River (Upper)								
50259	Recreation	Total Size Fecal Coliform:	9.22				2006	2018
James River and Johnson Creek								
01144	Aquatic Life	Total Size Chloride:				13.91	2004	2016
01144	Wildlife	Total Size Chloride:				13.91	2004	2016
James River and Tributaries								
76069	Fish Consumption	Total Size PCB in Fish Tissue:				182.68	2006	2018
James River Embayments								
76087	Aquatic Life	Total Size Oxygen, Dissolved:				49.17	2006	2010
76086	Aquatic Life	Total Size Aquatic Plants (Macrophytes):				49.17	2006	2010
76087	Open-Water Aquatic Life	Total Size Oxygen, Dissolved:				49.17	2006	2010
76086	Shallow-Water Submerged Aquatic Vegetation	Total Size Aquatic Plants (Macrophytes):				49.17	2006	2010
James River Mesohaline Embayments								
01769	Aquatic Life	Total Size Oxygen, Dissolved:				117.90	2006	2010
76088	Aquatic Life	Total Size Aquatic Plants (Macrophytes):				117.90	2006	2010
01769	Open-Water Aquatic Life	Total Size Oxygen, Dissolved:				117.90	2006	2010
76088	Shallow-Water Submerged Aquatic Vegetation	Total Size Aquatic Plants (Macrophytes):				117.90	2006	2010
James River Polyhaline Embayments								
76085	Aquatic Life	Total Size Aquatic Plants (Macrophytes):				28.53	2006	2010
76085	Shallow-Water Submerged Aquatic Vegetation	Total Size Aquatic Plants (Macrophytes):				28.53	2006	2010
James River, Unnamed Tributary								
01179	Recreation	Total Size Fecal Coliform:	0.42				2004	2008
Johns Creek, Lower								
01695	Recreation	Total Size Fecal Coliform:	2.19				2004	2016

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Johnson Creek								
01138	Aquatic Life	Total Size Oxygen, Dissolved:	14.16				2004	2016
01139	Aquatic Life	Total Size pH:	14.16				2004	2016
Jones Creek - Tributary to Pagan River								
76033	Recreation	Total Size Enterococcus:				0.35	2006	2018
Jones Creek (Pagan River)								
00606	Fish Consumption	Total Size PCB in Fish Tissue:				0.35	2006	2016
01284	Shellfishing	Total Size Fecal Coliform:				0.35	2006	2008
Judith Creek								
50086	Recreation	Total Size Escherichia coli:	10.55				2006	2018
King Creek and Ballards Marsh								
01285	Shellfishing	Total Size Fecal Coliform:				0.03	2006	2008
Kingsland Creek								
10027	Aquatic Life	Total Size pH:	8.55				2006	2018
10028	Recreation	Total Size Escherichia coli:	8.55				2006	2018
Knotts Creek - Tributary to Nansemond R.								
76722	Shellfishing	Total Size Fecal Coliform:				0.15	2006	2008
Lafayette River								
01524	Aquatic Life	Total Size Estuarine Bioassessments				2.45	2006	2016
00614	Fish Consumption	Total Size PCB in Fish Tissue:				2.45	2006	2016
01526	Recreation	Total Size Enterococcus:				2.45	2006	2016
Lafayette River (Lower)								
01531	Aquatic Life	Total Size Tributyltin TBT (Tributylstanne):				1.04	2004	2016
Lafayette River Mesohaline Embayments								
76084	Aquatic Life	Total Size Oxygen, Dissolved:				2.45	2006	2010
76084	Open-Water Aquatic Life	Total Size Oxygen, Dissolved:				2.45	2006	2010
Lake Albemarle								
01659	Aquatic Life	Total Size pH:				40.00	2004	2016
Lake Burnt Mills								
76039	Aquatic Life	Total Size Oxygen, Dissolved:				1,304.00	2006	2018
Lake Chesdin								
01205	Aquatic Life	Total Size Oxygen, Dissolved:				3,196.00	2004	2016

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Lake Cohoon (PWS)								
76037	Aquatic Life		Total Size Oxygen, Dissolved:		454.00		2006	2018
Lake Kilby (PWS)								
76036	Aquatic Life		Total Size Oxygen, Dissolved:		200.00		2006	2018
Lake Meade (PWS)								
76569	Aquatic Life		Total Size Oxygen, Dissolved:		490.00		2006	2018
Lake Nottoway (Lee Lake)								
15019	Aquatic Life		Total Size Oxygen, Dissolved:		188.00		2006	2018
Laurel Run								
50081	Aquatic Life		Total Size pH:		2.02		2006	2018
Lawnes Creek								
01286	Shellfishing		Total Size Fecal Coliform:			0.29	2006	2008
Lee Hall (City Reservoir-Newport News)								
01302	Aquatic Life		Total Size Copper:		224.00		2004	2016
01507	Aquatic Life		Total Size Copper:		66.00		2004	2016
01506	Aquatic Life		Total Size Oxygen, Dissolved:		66.00		2004	2016
01302	Wildlife		Total Size Copper:		224.00		2004	2016
01507	Wildlife		Total Size Copper:		66.00		2004	2016
Lee Hall Reservoir - Middle Portion								
76034	Aquatic Life		Total Size Oxygen, Dissolved:		69.00		2006	2018
Little Calfpasture River								
00371	Aquatic Life		Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	0.83			1996	2008
01678	Recreation		Total Size Fecal Coliform:	10.33			2004	2016
Little Patterson Creek								
01699	Recreation		Total Size Fecal Coliform:	3.65			2004	2016
Little Sayler's Creek								
50099	Recreation		Total Size Escherichia coli:	6.62			2006	2018
Lonestar Lake G (PWS)								
76035	Aquatic Life		Total Size Oxygen, Dissolved:		90.00		2006	2018
Marrowbone Creek								
00741	Aquatic Life		Total Size Oxygen, Dissolved:		160.57		2006	2014

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Maury River								
01683	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		7.10			1998	2010
00618	Fish Consumption	Total Size PCB in Fish Tissue:		17.46			2006	2016
50253	Recreation	Total Size Escherichia coli:		19.58			2006	2018
50256	Recreation	Total Size Escherichia coli:		4.59			2006	2018
Meadow Creek								
40007	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		4.01			2006	2018
01667	Recreation	Total Size Fecal Coliform:		4.01			2002	2014
Meadow Creek Lower								
50035	Aquatic Life	Total Size Temperature, water:		2.53			2006	2018
Meadow Creek, Lower								
01694	Recreation	Total Size Fecal Coliform:		2.53			2004	2016
Mechums River								
50316	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		14.06			2004	2016
50245	Recreation	Total Size Escherichia coli:		10.44			2006	2018
Mill Creek								
01166	Aquatic Life	Total Size Oxygen, Dissolved:		5.29			2004	2016
00345	Recreation	Total Size Enterococcus:			0.08	2006	2008	
01168	Recreation	Total Size Fecal Coliform:		5.29			2004	2016
50252	Recreation	Total Size Fecal Coliform:		20.92			2006	2018
50255	Recreation	Total Size Fecal Coliform:		8.60			2006	2018
Mill Creek, Lower								
01700	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		2.04			2004	2016
01692	Recreation	Total Size Fecal Coliform:		4.93			2004	2016
Mill Creek, Upper								
01701	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		3.96			2004	2016
Moffatts Creek								
50044	Aquatic Life	Total Size Temperature, water:		7.65			2006	2018
Montebello Spring Branch								
01650	Aquatic Life	Total Size pH:		0.02			2004	2016

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date	
TMDL Group ID	Use								
Moores Creek									
40009	Aquatic Life		Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	8.42			2006	2018	
Moores Creek, X-Tributary									
40006	Aquatic Life		Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	1.57			2006	2018	
Moormans River North Fork									
01665	Aquatic Life		Total Size Oxygen, Dissolved:	11.04			2004	2016	
Morris Creek									
00342	Aquatic Life		Total Size Oxygen, Dissolved:	7.72			1998	2010	
00343	Aquatic Life		Total Size pH:	7.72			1998	2010	
00341	Recreation		Total Size Fecal Coliform:	7.72			2002	2010	
Muddy Creek									
10014	Recreation		Total Size Fecal Coliform:	3.67			2006	2018	
Nansemond River									
76038	Aquatic Life		Total Size Estuarine Bioassessments				10.09	2006	2018
Nansemond River, Unsegmented Estuaris (no DSS condemnation)									
76143	Shellfishing		Total Size Fecal Coliform:				0.19	2006	2010
Nansemond River, Upper (Lake Meade)									
00332	Recreation		Total Size Enterococcus:				0.26	1994	2008
Nansemond River, Upper and Middle									
01295	Shellfishing		Total Size Fecal Coliform:				10.09	1994	2006
Nansemond River, Western Branch									
76142	Shellfishing		Total Size Fecal Coliform:				0.11	2006	2010
No Name Creek (Unnamed Tributary to the James River)									
01130	Recreation		Total Size Fecal Coliform:	1.83			2004	2008	
North Creek									
00731	Aquatic Life		Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	1.24			2002	2014	
North River									
00736	Recreation		Total Size Fecal Coliform:	8.44			2002	2007	
North Run									
10004	Aquatic Life		Total Size pH:	3.65			2006	2018	

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Oldtown Creek								
01206	Aquatic Life	Total Size Oxygen, Dissolved:	3.57				2004	2014
15010	Recreation	Total Size Fecal Coliform:	3.57				2006	2018
Opposum Creek								
00767	Recreation	Total Size Fecal Coliform:	2.86				2004	2016
Otts Creek								
40114	Recreation	Total Size Escherichia coli:	5.13				2006	2018
Oyster House Creek - Tributary to Nansemond R.								
76140	Shellfishing	Total Size Fecal Coliform:				0.03	2006	2010
Pagan River								
00348	Recreation	Total Size Enterococcus:				1.00	2006	2008
01288	Shellfishing	Total Size Fecal Coliform:				1.00	2006	2008
Pagan River, Upper Tidal								
01289	Shellfishing	Total Size Fecal Coliform:				1.00	2006	2008
Paradise Creek - Southern Br. Elizabeth R.								
76040	Recreation	Total Size Enterococcus:				0.06	2006	2018
Pedlar Lake								
00762	Aquatic Life	Total Size pH:			116.98		2004	2016
Pedlar River								
50083	Recreation	Total Size Escherichia coli:	9.49				2006	2018
Piney Branch								
50067	Aquatic Life	Total Size pH:	2.23				2006	2018
Pitch Kettle Creek - Lake (PWS)								
76570	Aquatic Life	Total Size Oxygen, Dissolved:			115.00		2006	2018
Pocoshock Creek								
10003	Recreation	Total Size Fecal Coliform:	8.33				2006	2018
Porters Mill Creek								
50065	Aquatic Life	Total Size pH:	4.96				2006	2018
Potts Creek								
01691	Aquatic Life	Total Size pH:	9.51				2004	2016
50262	Recreation	Total Size Escherichia coli:	9.51				2006	2018

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TMDL Watershed Name		Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use						
Potts Creek, Lower							
50034	Aquatic Life	Total Size Temperature, water:	5.54			2006	2018
Powell Creek							
01146	Recreation	Total Size Fecal Coliform:	6.92			2004	2008
Powhatan Creek							
01497	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	4.85			2004	2014
00346	Recreation	Total Size Enterococcus:			0.20	2006	2008
01496	Recreation	Total Size Fecal Coliform:	4.85			2004	2016
Powhite Creek							
01190	Recreation	Total Size Fecal Coliform:	8.12			2002	2008
Preddy Creek							
50246	Recreation	Total Size Escherichia coli:	25.96			2006	2018
Reedy Creek							
01191	Recreation	Total Size Escherichia coli:	3.68			2006	2014
Rivanna River							
00370	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	11.16			1996	2008
50248	Recreation	Total Size Escherichia coli:	5.28			2006	2018
Rivanna River, North Fork							
50247	Recreation	Total Size Escherichia coli:	10.38			2006	2018
Rock Island Creek							
01657	Recreation	Total Size Fecal Coliform:	8.84			2004	2007
Rockfish River							
50244	Recreation	Total Size Escherichia coli:	6.51			2006	2018
Rockfish River South Fork							
01655	Recreation	Total Size Fecal Coliform:	11.57			2004	2016
Rockfish River, North Fork							
50243	Recreation	Total Size Escherichia coli:	7.29			2006	2018
Rocky Ford Creek							
01198	Recreation	Total Size Fecal Coliform:	5.53			2004	2016
Rohoic Creek							
15009	Recreation	Total Size Escherichia coli:	6.84			2006	2018

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James River Basin

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Roundabout Creek								
10031	Aquatic Life	Total Size Oxygen, Dissolved:	2.14				2006	2018
01140	Aquatic Life	Total Size pH:	2.14				2004	2014
Rucker Run								
01653	Recreation	Total Size Fecal Coliform:	18.30				2004	2016
Rumley Marsh								
01165	Aquatic Life	Total Size Oxygen, Dissolved:	5.80				2002	2014
Rutledge Creek								
00729	Recreation	Total Size Fecal Coliform:	3.16				2002	2014
Saint Julian Creek								
00615	Fish Consumption	Total Size PCB in Fish Tissue:				0.12	2006	2016
Saint Marys River								
50068	Aquatic Life	Total Size pH:	1.77				2006	2018
Sandy River								
00169	Recreation	Total Size Fecal Coliform:	3.25				2004	2016
Shingle Creek								
97100	Aquatic Life	Total Size pH:				0.04	2002	2010
00351	Recreation	Total Size Enterococcus:				0.04	2006	2008
01298	Shellfishing	Total Size Fecal Coliform:				0.04	2006	2006
Skiffes Creek								
00608	Fish Consumption	Total Size PCB in Fish Tissue:				0.58	2006	2016
01292	Shellfishing	Total Size Fecal Coliform:				0.58	2006	2008
Slate River								
00364	Recreation	Total Size Fecal Coliform:	7.11				2002	2007
00737	Recreation	Total Size Fecal Coliform:	18.03				2002	2007
Smith Creek Lower								
01689	Recreation	Total Size Fecal Coliform:	1.19				2004	2016
Speights Run - Lake (PWS)								
76571	Aquatic Life	Total Size Oxygen, Dissolved:				118.00	2006	2018
Spring Creek								
50095	Recreation	Total Size Escherichia coli:	2.37				2006	2018
Star Creek								
00610	Fish Consumption	Total Size PCB in Fish Tissue:				1.00	2006	2016

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Star Creek - Tributary to Oyster House Cr.								
76141	Shellfishing	Total Size Fecal Coliform:					1.00	2006 2010
Stegers Creek								
01175	Aquatic Life	Total Size Oxygen, Dissolved:		4.58			2002	2014
Stock Creek								
50100	Recreation	Total Size Escherichia coli:		8.47			2006	2018
Stonehouse Creek Reservoir								
50071	Aquatic Life	Total Size pH:			125.00		2006	2018
Stony Run								
01152	Recreation	Total Size Fecal Coliform:		0.22			2004	2010
Streeter Creek								
76044	Shellfishing	Total Size Fecal Coliform:					0.03	2006 2018
Suanee Creek								
50093	Recreation	Total Size Escherichia coli:		5.86			2006	2018
Sweet Springs Creek								
01687	Aquatic Life	Total Size Temperature, water:		2.69			2002	2014
Swift Creek								
01306	Aquatic Life	Total Size Oxygen, Dissolved:		7.09			2002	2014
15011	Recreation	Total Size Escherichia coli:		0.09			2006	2018
15022	Recreation	Total Size Escherichia coli:		5.09			2006	2018
Tanyard Branch								
50097	Recreation	Total Size Escherichia coli:		0.41			2006	2018
Thrashers Creek Reservoir								
50072	Aquatic Life	Total Size pH:			109.50		2006	2018
Tomahawk Creek								
50087	Recreation	Total Size Escherichia coli:		5.90			2006	2018
Totier Creek								
40005	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		0.78			2006	2018
00367	Recreation	Total Size Fecal Coliform:		11.44			2002	2007
Troublesome Creek								
00738	Recreation	Total Size Fecal Coliform:		0.95			2004	2007

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Tuckahoe Creek, Unnamed Tributary								
10043	Aquatic Life	Total Size pH:		1.80			2006	2018
Tye River								
50041	Aquatic Life	Total Size Temperature, water:		3.77			2006	2018
01654	Recreation	Total Size Escherichia coli:		8.33			2006	2016
01654	Recreation	Total Size Fecal Coliform:		7.60			2004	2016
Tye River South Fork								
50042	Aquatic Life	Total Size Temperature, water:		16.64			2006	2018
Tylers Beach Boat Basin								
01293	Shellfishing	Total Size Fecal Coliform:			0.00		2006	2010
Unsegmented estuaries with DSS condemnation								
76144	Shellfishing	Total Size Fecal Coliform:				0.06	2006	2010
Upham Brook								
10038	Aquatic Life	Total Size Oxygen, Dissolved:		0.72			2006	2018
Upham Brook Watershed								
00340	Recreation	Total Size Escherichia coli:		48.04			2006	2010
Vaughan's Creek								
50094	Recreation	Total Size Escherichia coli:		6.81			2006	2018
Walker Creek								
50254	Recreation	Total Size Escherichia coli:		11.62			2006	2018
Walls Run								
10034	Recreation	Total Size Escherichia coli:		5.29			2006	2018
Wards Creek								
10035	Recreation	Total Size Escherichia coli:		7.67			2006	2018
West Run								
01147	Aquatic Life	Total Size pH:		1.81			2004	2014
West Run, Unnamed Tributary								
10033	Aquatic Life	Total Size pH:		1.68			2006	2018
Western Run								
01141	Aquatic Life	Total Size pH:		3.03			2004	2014
10032	Recreation	Total Size Escherichia coli:		3.03			2006	2018
10032	Recreation	Total Size Fecal Coliform:		3.03			2006	2018

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
White Oak Swamp								
10040	Aquatic Life		Total Size Oxygen, Dissolved:	3.47			2006	2018
White Oak Swamp Creek								
10041	Aquatic Life		Total Size Oxygen, Dissolved:	3.90			2006	2018
Williams Run								
50088	Recreation		Total Size Escherichia coli:	6.39			2006	2018
Willis River, Unnamed Tributary								
00740	Aquatic Life		Total Size Oxygen, Dissolved:	1.73			2002	2014
Wilson Creek, Upper								
50047	Aquatic Life		Total Size Temperature, water:	6.60			2004	2016
Wreck Island Creek								
00768	Recreation		Total Size Fecal Coliform:	9.75			2002	2014

*VA DEQ is transitioning from fecal coliform bacteria to Escherichia coli (fresh water) and Enterrococci (salt water) for assessing the Recreation Use. These impairments have the same TMDL Group IDs but should not be added to arrive at the total impaired size. When a TMDL Study is conducted both pathogens are covered by the study. Other overlaps between Aquatic Life and its sub-uses as well as Wildlife also occur. Different sizes apply to the sub-uses; Deep-Water, Deep-Channel and SAV. The EPA Assessment Database system can accept only one size value at a time.

*The 2006 Draft IR contained Category 4A and Category 4C Impairments embedded within Virginia Category 5D Waters. Category 4A and Category 4C Impairments are removed from this Final 303(d) List.

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Barrows Run								
60074	Recreation	Total Size Escherichia coli:	4.93				2006	2018
Bay Segment RPPTF								
60127	Aquatic Life	Total Size Aquatic Plants (Macrophytes):					10.84	2006 2010
60127	Shallow-Water Submerged Aquatic Vegetation	Total Size Aquatic Plants (Macrophytes):					10.84	2006 2010
Beautiful Run								
60083	Recreation	Total Size Escherichia coli:	1.08				2006	2018
60083	Recreation	Total Size Fecal Coliform:	1.08				2006	2018
Bells Creek								
01069	Shellfishing	Total Size Fecal Coliform:					0.05	1998 2008
Belwood Swamp								
01097	Recreation	Total Size Fecal Coliform:					0.01	2002 2014
Black Swamp								
10105	Aquatic Life	Total Size Oxygen, Dissolved:	4.31				2006	2018
Black Walnut Run								
60095	Recreation	Total Size Escherichia coli:	6.45				2006	2018
Blue Run								
00319	Recreation	Total Size Escherichia coli:	4.21				2006	2007
00319	Recreation	Total Size Fecal Coliform:	11.61				2002	2007
Bookers Mill Stream								
01054	Recreation	Total Size Fecal Coliform:	6.22				2002	2014
Broad Creek								
10083	Recreation	Total Size Enterococcus:					0.17	2006 2018
01071	Shellfishing	Total Size Fecal Coliform:					0.03	1998 2010
Browns Run								
00835	Recreation	Total Size Fecal Coliform:	2.39				2002	2014
Carter Cove								
01078	Shellfishing	Total Size Fecal Coliform:					0.06	2002 2008
Carter Creek								
01077	Shellfishing	Total Size Fecal Coliform:					0.06	1998 2008

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Carter Creek, Eastern Branch								
01072	Recreation	Total Size Fecal Coliform:					0.25	1998 2016
01073	Shellfishing	Total Size Fecal Coliform:					0.25	1998 2010
Carter Run								
20024	Recreation	Total Size Escherichia coli:	9.86				2006	2018
Cat Point Creek								
10104	Recreation	Total Size Escherichia coli:	4.99				2006	2018
Cedar Run								
00847	Recreation	Total Size Escherichia coli:	3.21				2006	2007
00847	Recreation	Total Size Fecal Coliform:	5.40				2004	2007
Church Swamp								
10100	Aquatic Life	Total Size pH:	3.64				2006	2018
Claiborne Run								
00848	Aquatic Life	Total Size pH:	4.89				2002	2014
00323	Recreation	Total Size Escherichia coli:	4.89				2006	2008
00323	Recreation	Total Size Fecal Coliform:	4.89				1998	2008
Corrotoman River Mesohaline								
01074	Aquatic Life	Total Size Oxygen, Dissolved:					9.20	2006 2010
01074	Open-Water Aquatic Life	Total Size Oxygen, Dissolved:					9.20	2006 2010
Corrotoman River, Eastern Branch								
01075	Shellfishing	Total Size Fecal Coliform:					0.61	1998 2008
Corrotoman River, Western Branch								
01076	Shellfishing	Total Size Fecal Coliform:					0.62	2002 2008
Craig Run								
00836	Recreation	Total Size Fecal Coliform:	3.61				2004	2016
Davis Creek								
01079	Shellfishing	Total Size Fecal Coliform:					0.02	2002 2014
Deep Creek								
01055	Shellfishing	Total Size Fecal Coliform:					0.22	1998 2006
Deep Run								
20023	Recreation	Total Size Fecal Coliform:	2.79				2006	2018
Elmwood Creek								
10112	Aquatic Life	Total Size pH:	4.87				2006	2018

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Ewells Prong								
01080	Shellfishing	Total Size Fecal Coliform:					0.04	1998 2008
Farmers Hall Creek								
01037	Recreation	Total Size Fecal Coliform:		4.38			2004	2016
Farnham Creek								
01032	Aquatic Life	Total Size Chloride:					0.41	2004 2016
01056	Recreation	Total Size Fecal Coliform:					0.41	1998 2014
01057	Shellfishing	Total Size Fecal Coliform:					0.41	1998 2014
01032	Wildlife	Total Size Chloride:					0.41	2004 2016
Finks Run								
60089	Recreation	Total Size Escherichia coli:		3.02			2006	2018
Greenvale Creek								
01058	Shellfishing	Total Size Fecal Coliform:					0.08	1998 2006
Harry George Creek								
10080	Shellfishing	Total Size Fecal Coliform:					0.09	2006 2018
Hazel River								
60076	Recreation	Total Size Escherichia coli:		3.32			2006	2018
60079	Recreation	Total Size Escherichia coli:		15.89			2006	2008
60076	Recreation	Total Size Fecal Coliform:		3.32			2006	2018
60079	Recreation	Total Size Fecal Coliform:		16.67			2002	2008
Hazel Run								
00849	Recreation	Total Size Escherichia coli:		4.46			2006	2016
00849	Recreation	Total Size Fecal Coliform:		4.46			2004	2016
Hills Creek								
01081	Shellfishing	Total Size Fecal Coliform:					0.06	1998 2008
Hoskins Creek								
00254	Aquatic Life	Total Size Chloride:					0.06	2004 2016
01043	Aquatic Life	Total Size pH:		12.96			2004	2016
10073	Aquatic Life	Total Size pH:					0.06	2006 2018
00253	Recreation	Total Size Enterococcus:					0.06	2006 2008
00253	Recreation	Total Size Fecal Coliform:					0.06	1996 2008
00254	Wildlife	Total Size Chloride:					0.06	2004 2016
Hughes River								
00832	Recreation	Total Size Escherichia coli:		3.68			2006	2016
00832	Recreation	Total Size Fecal Coliform:		3.68			2004	2016

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Indian Run								
60080	Recreation	Total Size Fecal Coliform:	3.84				2006	2018
Lagrange Creek								
01068	Recreation	Total Size Fecal Coliform:	2.72				2004	2016
10081	Shellfishing	Total Size Fecal Coliform:				0.60	1998	2018
Lancaster Creek								
01033	Aquatic Life	Total Size Chloride:				1.64	2004	2016
01060	Recreation	Total Size Fecal Coliform:				0.46	1998	2016
01059	Shellfishing	Total Size Fecal Coliform:				0.46	1998	2006
01033	Wildlife	Total Size Chloride:				1.64	2004	2016
LaRogue Run								
60097	Recreation	Total Size Fecal Coliform:	2.86				2006	2018
Leathers Run								
60090	Recreation	Total Size Escherichia coli:	2.03				2006	2018
Little Branch								
10084	Recreation	Total Size Enterococcus:				0.11	2006	2018
Little Carter Creek, Jugs Creek								
01038	Shellfishing	Total Size Fecal Coliform:				0.32	1998	2008
Little Wicomico River								
10026	Aquatic Life	Total Size pH:	4.38				2006	2018
Locklies Creek								
01082	Shellfishing	Total Size Fecal Coliform:				0.10	1998	2006
Marsh Run								
00318	Recreation	Total Size Escherichia coli:	2.25				2006	2007
00318	Recreation	Total Size Fecal Coliform:	5.91				1996	2007
00843	Recreation	Total Size Fecal Coliform:	5.19				2004	2016
Masons Mill Swamp								
01061	Aquatic Life	Total Size pH:				0.17	2004	2014
Massaponax Creek								
60115	Aquatic Life	Total Size pH:	6.04				2006	2018
00850	Recreation	Total Size Escherichia coli:	6.04				2006	2016
00850	Recreation	Total Size Fecal Coliform:	6.04				2004	2016
Mill Creek								
01084	Shellfishing	Total Size Fecal Coliform:				0.12	1998	2006

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date	
TMDL Group ID	Use								
Millenbeck Prong									
01083	Shellfishing	Total Size Fecal Coliform:					0.04	1998	2008
Morattico Creek									
01034	Aquatic Life	Total Size Chloride:					0.33	2004	2016
01062	Shellfishing	Total Size Fecal Coliform:					0.33	1998	2010
Mosquito Creek									
01085	Shellfishing	Total Size Fecal Coliform:					0.03	2002	2014
Mount Landing Creek									
01048	Recreation	Total Size Fecal Coliform:		1.19				2004	2016
Mountain Run									
60137	Fish Consumption	Total Size PCB in Fish Tissue:	19.75					2006	2018
20021	Recreation	Total Size Escherichia coli:	1.57					2006	2018
60096	Recreation	Total Size Escherichia coli:	7.35					2006	2018
20021	Recreation	Total Size Fecal Coliform:	1.57					2006	2018
60152	Recreation	Total Size Fecal Coliform:	4.48					2004	2016
Mud Creek									
10076	Aquatic Life	Total Size Oxygen, Dissolved:	2.84					2006	2016
10077	Aquatic Life	Total Size pH:	2.84					2006	2018
10078	Shellfishing	Total Size Fecal Coliform:					0.19	2006	2018
Muddy Creek									
00851	Aquatic Life	Total Size pH:	3.87					2004	2016
Mulberry Creek									
10075	Aquatic Life	Total Size Chloride:					0.49	2006	2018
01064	Recreation	Total Size Fecal Coliform:					0.27	1998	2016
01063	Shellfishing	Total Size Fecal Coliform:					0.27	1998	2006
10075	Wildlife	Total Size Chloride:					0.49	2006	2018
90705	Wildlife	Total Size Chloride:					0.33	2004	2018
Mussell Swamp									
10103	Aquatic Life	Total Size Oxygen, Dissolved:	4.13					2006	2018
Myer Creek									
01086	Shellfishing	Total Size Fecal Coliform:					0.08	1998	2008
01087	Shellfishing	Total Size Fecal Coliform:					0.04	2002	2008
01088	Shellfishing	Total Size Fecal Coliform:					0.05	2004	2008

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Occupacia Creek								
00255	Recreation		Total Size Escherichia coli:	2.76			2006	2008
00255	Recreation		Total Size Fecal Coliform:	2.76			2002	2008
Occupacia Creek and tributaries								
10111	Aquatic Life		Total Size Oxygen, Dissolved:	37.10			2006	2018
Piscataway Creek								
01029	Aquatic Life		Total Size Chloride:				0.71	2004 2016
01040	Shellfishing		Total Size Fecal Coliform:				0.71	1998 2010
01029	Wildlife		Total Size Chloride:				0.71	2004 2016
Piscataway Creek, Unnamed Tributary								
10101	Aquatic Life		Total Size Oxygen, Dissolved:	3.25			2006	2018
10102	Aquatic Life		Total Size Oxygen, Dissolved:	3.01			2006	2018
Rapidan River								
00320	Recreation		Total Size Escherichia coli:	2.68			2006	2007
00844	Recreation		Total Size Escherichia coli:	7.50			2006	2014
60082	Recreation		Total Size Escherichia coli:	6.93			2006	2018
60087	Recreation		Total Size Escherichia coli:	4.59			2006	2018
60094	Recreation		Total Size Escherichia coli:	4.58			2006	2018
60087	Recreation		Total Size Fecal Coliform:	4.59			2006	2018
Rapidan River, Unnamed Tributary								
00845	Recreation		Total Size Escherichia coli:	2.57			2006	2016
00845	Recreation		Total Size Fecal Coliform:	2.57			2004	2016
60088	Recreation		Total Size Fecal Coliform:	3.91			2006	2018
Rappahannock River								
01028	Aquatic Life		Total Size Chloride:				53.13	2004 2016
10126	Aquatic Life		Total Size Estuarine Bioassessments				112.08	2006 2018
10069	Aquatic Life		Total Size Aquatic Plants (Macrophytes):				5.71	2006 2010
10070	Fish Consumption		Total Size PCB in Fish Tissue:				120.35	2006 2018
10069	Shallow-Water Submerged Aquatic Vegetation		Total Size Aquatic Plants (Macrophytes):				5.71	2006 2010
01041	Shellfishing		Total Size Fecal Coliform:				5.54	1998 2008
01089	Shellfishing		Total Size Fecal Coliform:				0.13	1998 2010
01090	Shellfishing		Total Size Fecal Coliform:				0.02	1998 2010
01091	Shellfishing		Total Size Fecal Coliform:				0.10	2002 2014
01028	Wildlife		Total Size Chloride:				53.13	2004 2016

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Rappahannock River and Totuskey Creek								
01053	Shellfishing	Total Size Fecal Coliform:					0.91	2006 2008
Rappahannock River Mesohaline Embayments								
01776	Aquatic Life	Total Size Oxygen, Dissolved:					126.34	2004 2010
10071	Aquatic Life	Total Size Aquatic Plants (Macrophytes):					126.34	2006 2010
01776	Deep-Water Aquatic Life	Total Size Oxygen, Dissolved:					79.21	1998 2010
01776	Open-Water Aquatic Life	Total Size Oxygen, Dissolved:					126.34	2004 2010
10071	Shallow-Water Submerged Aquatic Vegetation	Total Size Aquatic Plants (Macrophytes):					126.34	2006 2010
Rappahannock River, Beach Creek								
01067	Shellfishing	Total Size Fecal Coliform:					0.11	1998 2006
Rappahannock River, Bush Park Creek								
01070	Shellfishing	Total Size Fecal Coliform:					0.10	1998 2006
Rappahannock River, Garrett's Marina								
01050	Shellfishing	Total Size Fecal Coliform:					0.00	1998 2008
Rappahannock River, Mark Haven Beach								
01065	Shellfishing	Total Size Fecal Coliform:					0.01	1998 2010
Rappahannock River, Sturgeon Creek								
01093	Shellfishing	Total Size Fecal Coliform:					0.09	1998 2006
Rappahannock River, Tidal Fresh								
60138	Fish Consumption	Total Size PCB in Fish Tissue:	9.35				8.26	2004 2016
00317	Recreation	Total Size Escherichia coli:	2.17					2006 2010
00322	Recreation	Total Size Escherichia coli:					3.76	2006 2008
00838	Recreation	Total Size Escherichia coli:	2.02					2006 2016
60075	Recreation	Total Size Escherichia coli:	6.84					2006 2018
60081	Recreation	Total Size Escherichia coli:	2.85					2006 2018
00322	Recreation	Total Size Fecal Coliform:					0.21	2002 2008
60075	Recreation	Total Size Fecal Coliform:	6.84					2006 2018
Richardson Creek								
01049	Shellfishing	Total Size Fecal Coliform:					0.15	1998 2008
Robinson Creek								
00197	Recreation	Total Size Fecal Coliform:					0.18	1998 2006
10082	Shellfishing	Total Size Fecal Coliform:					0.29	2006 2018

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Robinson River								
00846	Aquatic Life	Total Size Temperature, water:	2.92				2004	2016
60091	Recreation	Total Size Escherichia coli:	3.45				2006	2018
Rose River								
60113	Aquatic Life	Total Size Temperature, water:	2.60				2006	2018
Rush River								
00833	Recreation	Total Size Escherichia coli:	4.55				2006	2014
00833	Recreation	Total Size Fecal Coliform:	4.55				2002	2014
Senior Creek								
01092	Shellfishing	Total Size Fecal Coliform:					0.06	1998 2010
South Run								
60077	Recreation	Total Size Escherichia coli:	3.93				2006	2018
Taylor Creek								
01094	Shellfishing	Total Size Fecal Coliform:					0.09	2004 2016
The Big Swamp								
10106	Aquatic Life	Total Size Oxygen, Dissolved:	6.80				2006	2018
Thornton River								
60078	Recreation	Total Size Escherichia coli:	8.78				2006	2018
Totuskey Creek								
01030	Aquatic Life	Total Size Chloride:					1.11	2004 2016
10074	Aquatic Life	Total Size Sediment Bioassays for Estuarine and Marine Water:					1.11	2006 2018
01051	Recreation	Total Size Enterococcus:					1.11	2006 2014
10107	Recreation	Total Size Escherichia coli:	8.46				2006	2018
01051	Recreation	Total Size Fecal Coliform:					1.11	2002 2014
01030	Wildlife	Total Size Chloride:					1.11	2004 2016
Town Creek								
01095	Shellfishing	Total Size Fecal Coliform:					0.02	2002 2014
Urbanna Creek								
01785	Recreation	Total Size Fecal Coliform:					0.22	2004 2016
Ware Creek								
00852	Aquatic Life	Total Size pH:	2.94				2004	2016
Weeks (Mudd) Creek								
01066	Shellfishing	Total Size Fecal Coliform:					0.12	1998 2006

2006 303(d) List Summary of Impaired Waters (Category 5) Needing TMDL Study*

Rappahannock River Basin

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Weeks Creek								
10079	Shellfishing	Total Size Fecal Coliform:					0.10	1998 2018
Western Branch Corrotoman River, Unnamed Tributary								
10121	Aquatic Life	Total Size pH:		3.30			2006	2018
White Oak Run								
60092	Recreation	Total Size Escherichia coli:		3.42			2006	2018
Whitehouse Creek								
01096	Shellfishing	Total Size Fecal Coliform:					0.05	1998 2010

*VA DEQ is transitioning from fecal coliform bacteria to Escherichia coli (fresh water) and Enterrococci (salt water) for assessing the Recreation Use. These impairments have the same TMDL Group IDs but should not be added to arrive at the total impaired size. When a TMDL Study is conducted both pathogens are covered by the study. Other overlaps between Aquatic Life and its sub-uses as well as Wildlife also occur. Different sizes apply to the sub-uses; Deep-Water, Deep-Channel and SAV. The EPA Assessment Database system can accept only one size value at this time.

*The 2006 Draft IR contained Category 4A and Category 4C Impairments embedded within Virginia Category 5D Waters. Category 4A and Category 4C Impairments are removed from this Final 303(d) List.

2006 303(d) List Summary of Impaired Waters (Category 5) Needing TMDL Study*

Roanoke and Yadkin River Basins

TMDL Watershed Name		Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use						
Aarons Creek							
00773	Recreation	Total Size Fecal Coliform:	14.05			2002	2014
Allen Creek							
00782	Recreation	Total Size Escherichia coli:	8.97			2006	2016
00782	Recreation	Total Size Fecal Coliform:	8.97			2004	2016
Allen Creek, Unnamed Tributary							
00783	Recreation	Total Size Fecal Coliform:	0.92			2004	2016
Ash Camp Creek							
00751	Recreation	Total Size Fecal Coliform:	7.46			2004	2016
Back Creek							
00704	Recreation	Total Size Fecal Coliform:	9.92			2004	2016
Banister River							
00549	Fish Consumption	Total Size PCB in Fish Tissue:	11.93			2004	2014
00382	Recreation	Total Size Escherichia coli:	13.18			2004	2008
00758	Recreation	Total Size Fecal Coliform:	11.65			2004	2007
Bearskin Creek							
50142	Recreation	Total Size Escherichia coli:	9.35			2006	2018
Beaver Creek							
50292	Recreation	Total Size Escherichia coli:	5.12			2006	2018
Beaver Pond Creek							
00777	Recreation	Total Size Fecal Coliform:	5.03			2004	2016
Beaverdam Creek (Lower)							
00212	Recreation	Total Size Escherichia coli:	5.58			2006	2006
Berles Creek							
50127	Recreation	Total Size Escherichia coli:	2.18			2006	2014
Big Chestnut Creek							
00697	Recreation	Total Size Escherichia coli:	12.88			2006	2016
00697	Recreation	Total Size Fecal Coliform:	12.88			2004	2016
Big Cub Creek							
50124	Recreation	Total Size Escherichia coli:	25.11			2006	2018
Birch Creek							
50138	Recreation	Total Size Escherichia coli:	14.81			2006	2018

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Roanoke and Yadkin River Basins

TMDL Watershed Name		Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use						
Birch Creek, Unnamed Tributary							
50139	Recreation	Total Size Escherichia coli:	5.17			2006	2018
Blackberry Creek							
00377	Recreation	Total Size Escherichia coli:	14.83			2004	2008
Bluestone Creek							
50149	Recreation	Total Size Escherichia coli:	8.17			2006	2018
Buffalo Creek							
50108	Recreation	Total Size Fecal Coliform:	9.03			2006	2018
Buffalo Creek and Unnamed Tributary							
00291	Recreation	Total Size Escherichia coli:	2.34			2006	2006
85008	Recreation	Total Size Escherichia coli:	1.49			2002	2018
Buffalo Creek, Bluestone Creek, John H. Kerr Reservoir							
00785	Aquatic Life	Total Size Oxygen, Dissolved:		5,598.28		2004	2016
Buffalo Creek, Upper and Lower							
50286	Recreation	Total Size Escherichia coli:	8.10			2006	2018
50286	Recreation	Total Size Fecal Coliform:	8.10			2006	2018
Butcher Creek							
00780	Recreation	Total Size Fecal Coliform:	12.49			2004	2016
Button Creek							
50114	Recreation	Total Size Escherichia coli:	7.55			2006	2018
Byrds Branch							
00756	Recreation	Total Size Fecal Coliform:	2.98			2004	2008
Cascade Creek							
50133	Recreation	Total Size Escherichia coli:	11.78			2006	2018
Catawba Creek							
50121	Recreation	Total Size Escherichia coli:	7.70			2006	2018
Cedar Run							
50264	Recreation	Total Size Fecal Coliform:	3.20			2006	2010
Cherrystone Creek							
00381	Recreation	Total Size Fecal Coliform:	8.43			2004	2007
Childrey Creek							
50109	Recreation	Total Size Escherichia coli:	13.38			2006	2018

2006 303(d) List Summary of Impaired Waters (Category 5) Needing TMDL Study*

Roanoke and Yadkin River Basins

TMDL Watershed Name		Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use						
Coleman Creek							
00774	Recreation	Total Size Fecal Coliform:	5.45			2006	2014
Cox Creek							
00786	Aquatic Life	Total Size Oxygen, Dissolved:	10.51			2004	2016
50074	Aquatic Life	Total Size pH:	10.51			2006	2018
Crazy Horse Camp Ground and Marina							
00705	Recreation	Total Size Escherichia coli:		30.27		2004	2016
00705	Recreation	Total Size Fecal Coliform:		30.27		2004	2016
Cub Creek							
00290	Recreation	Total Size Escherichia coli:	14.12			2006	2014
50122	Recreation	Total Size Escherichia coli:	8.54			2006	2016
Dan River							
00533	Fish Consumption	Total Size DDE:	9.73			2004	2016
00538	Fish Consumption	Total Size DDT:	9.73			2004	2016
00548	Fish Consumption	Total Size PCB in Fish Tissue:	38.50	1,624.93		2002	2014
00380	Recreation	Total Size Escherichia coli:	36.36	1,624.93		2002	2008
50132	Recreation	Total Size Escherichia coli:	7.78			2006	2018
00380	Recreation	Total Size Fecal Coliform:	14.40			2002	2008
50132	Recreation	Total Size Fecal Coliform:	7.78			2002	2018
Dan River, Patrick							
01705	Aquatic Life	Total Size Temperature, water:	9.81			2002	2014
Double Creek							
00757	Recreation	Total Size Fecal Coliform:	8.28			2002	2008
Fall Creek							
00755	Recreation	Total Size Fecal Coliform:		2.30		2004	2008
Falling River							
50113	Recreation	Total Size Escherichia coli:	17.92			2006	2018
50116	Recreation	Total Size Escherichia coli:	7.41			2006	2016
50113	Recreation	Total Size Fecal Coliform:	17.92			2006	2018
Falling River, South Fork							
50115	Recreation	Total Size Escherichia coli:		16.14		2006	2018

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Roanoke and Yadkin River Basins

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Flat Creek								
50025	Aquatic Life		Total Size Oxygen, Dissolved:	1.69			2006	2018
50151	Recreation		Total Size Escherichia coli:	1.69			2006	2018
50107	Recreation		Total Size Fecal Coliform:	7.46			2006	2018
50151	Recreation		Total Size Fecal Coliform:	1.69			2006	2018
Goose Creek								
00708	Recreation		Total Size Escherichia coli:	6.79			2006	2014
00706	Recreation		Total Size Fecal Coliform:	14.07			2004	2016
00708	Recreation		Total Size Fecal Coliform:	10.04			2002	2014
Great Creek								
00385	Recreation		Total Size Escherichia coli:	6.91			2006	2007
00385	Recreation		Total Size Fecal Coliform:	6.91			2002	2007
Green Creek								
00712	Aquatic Life		Total Size Temperature, water:	3.93			2002	2014
Harpen Creek								
50501	Recreation		Total Size Escherichia coli:	5.31			2006	2018
50501	Recreation		Total Size Fecal Coliform:	5.31			2006	2018
Horse Pasture Creek								
01710	Recreation		Total Size Escherichia coli:	7.27			2006	2016
01710	Recreation		Total Size Fecal Coliform:	7.27			2004	2016
Horsepen Creek								
00752	Recreation		Total Size Fecal Coliform:	1.84			2002	2014
Hyco River								
50032	Fish Consumption		Total Size PCB in Fish Tissue:	5.90			2006	2014
00775	Recreation		Total Size Escherichia coli:	17.27			2006	2014
00775	Recreation		Total Size Fecal Coliform:	23.17			2002	2014
John H. Kerr Reservoir, Roanoke River and Lake Gaston								
00551	Fish Consumption		Total Size PCB in Fish Tissue:	5.69	36,086.57		2002	2014
Johns Creek								
00726	Aquatic Life		Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	2.13			2002	2014
Jones Creek, Lower Unnamed Tributary								
40017	Aquatic Life		Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	2.04			2006	2018

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Roanoke and Yadkin River Basins

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Jordan Creek								
50291	Recreation	Total Size Escherichia coli:	5.77				2006	2018
Lake Gordon								
50024	Aquatic Life	Total Size Oxygen, Dissolved:			111.84		2006	2018
Lawsons Creek								
50140	Recreation	Total Size Fecal Coliform:		14.83			2006	2018
Leatherwood Creek								
00378	Recreation	Total Size Fecal Coliform:		8.34			2002	2008
Leatherwood Creek, Upper								
50294	Recreation	Total Size Escherichia coli:		16.10			2006	2010
Leesville Lake - Pigg River								
00296	Recreation	Total Size Escherichia coli:			157.24		2006	2006
00296	Recreation	Total Size Fecal Coliform:			157.24		1998	2006
Leesville Lake - Roanoke River								
50500	Aquatic Life	Total Size pH:			403.54		2002	2014
Leesville Lake - Roanoke River, Middle								
50278	Recreation	Total Size Escherichia coli:			1,586.64		2006	2018
Little Bluestone Creek								
00781	Recreation	Total Size Escherichia coli:		9.43			2006	2016
00781	Recreation	Total Size Fecal Coliform:		9.43			2004	2016
Little Buffalo Creek								
00778	Recreation	Total Size Escherichia coli:		2.56			2004	2014
00778	Recreation	Total Size Fecal Coliform:		2.56			2002	2014
Little Coleman Creek								
00776	Recreation	Total Size Fecal Coliform:			3.44		2002	2014
Little Creek								
00713	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):			7.61		2002	2014
Little Cub Creek								
50125	Recreation	Total Size Escherichia coli:			8.75		2006	2018
Little Falling River								
50117	Recreation	Total Size Escherichia coli:			9.33		2006	2018

2006 303(d) List Summary of Impaired Waters (Category 5) Needing TMDL Study*

Roanoke and Yadkin River Basins

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Little Otter River								
00727	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		5.72			2002	2014
30003	Fish Consumption	Total Size PCB in Fish Tissue:		14.36			2002	2014
Little Straightstone Creek								
50112	Recreation	Total Size Escherichia coli:		7.35			2006	2018
Louse Creek								
50123	Recreation	Total Size Escherichia coli:		8.45			2006	2018
Lovills Creek, Lower								
01717	Aquatic Life	Total Size Temperature, water:		1.79			2002	2014
Maggodee Creek								
00715	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		7.38			2002	2014
Marrowbone Creek, Lower								
00376	Recreation	Total Size Fecal Coliform:		4.33			2002	2008
Martinsville Reservoir								
50050	Aquatic Life	Total Size pH:			117.70		2006	2018
Mason Creek - Lower								
50272	Recreation	Total Size Escherichia coli:		7.61			2006	2014
Miry Creek								
50141	Recreation	Total Size Escherichia coli:		1.07			2006	2018
Mollys Creek								
50119	Recreation	Total Size Escherichia coli:		16.94			2006	2016
Mud Lick Creek								
40115	Recreation	Total Size Escherichia coli:		6.85			2006	2018
Murray Run								
00702	Recreation	Total Size Fecal Coliform:		3.23			2004	2016
North Mayo River, Upper and Lower								
01709	Recreation	Total Size Fecal Coliform:		22.46			2004	2008
Old Womans Creek								
00297	Recreation	Total Size Escherichia coli:		4.86			2006	2006
00297	Recreation	Total Size Fecal Coliform:		4.86			2002	2006

2006 303(d) List Summary of Impaired Waters (Category 5) Needing TMDL Study*

Roanoke and Yadkin River Basins

TMDL Watershed Name		Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use						
Ore Branch							
00294	Recreation	Total Size Escherichia coli:	2.42			2006	2006
Peters Creek - Upper and Lower							
50273	Recreation	Total Size Escherichia coli:	7.17			2006	2014
Pigg River, Lower							
50284	Recreation	Total Size Escherichia coli:	28.92			2006	2006
50284	Recreation	Total Size Fecal Coliform:	25.69			2002	2006
Pigg River, Upper							
00300	Recreation	Total Size Escherichia coli:	24.18			2006	2006
00300	Recreation	Total Size Fecal Coliform:	40.48			2006	2006
Polecat Creek							
50144	Recreation	Total Size Fecal Coliform:	9.62			2006	2018
Poplar Creek							
50075	Aquatic Life	Total Size pH:	3.41			2006	2018
Pumpkin Creek							
50137	Recreation	Total Size Escherichia coli:	3.94			2006	2018
Rennet Bag Creek							
01716	Aquatic Life	Total Size Temperature, water:	11.16			2002	2014
Roanoke Creek							
50126	Recreation	Total Size Escherichia coli:	2.67			2006	2018
Roanoke River							
00293	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	11.33			1996	2006
00501	Aquatic Life	Total Size Oxygen, Dissolved:	5.69			1998	2010
00679	Aquatic Life	Total Size Oxygen, Dissolved:		1,379.57		2004	2010
00292	Recreation	Total Size Escherichia coli:		350.06		2006	2006
00700	Recreation	Total Size Escherichia coli:	9.25			2006	2016
50267	Recreation	Total Size Escherichia coli:	1.20			2006	2014
50268	Recreation	Total Size Escherichia coli:	9.87			2006	2010
50269	Recreation	Total Size Escherichia coli:	2.24			2006	2010
00292	Recreation	Total Size Fecal Coliform:		350.06		1998	2006
00700	Recreation	Total Size Fecal Coliform:	9.25			2004	2016
Roanoke River - Lower							
50270	Recreation	Total Size Escherichia coli:	3.35			2006	2014

2006 303(d) List Summary of Impaired Waters (Category 5) Needing TMDL Study*

Roanoke and Yadkin River Basins

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Roanoke River - Middle and Lower								
50266	Recreation		Total Size Escherichia coli:	6.06			2006	2014
Roanoke River Watershed, PCB								
30000	Fish Consumption		Total Size PCB in Fish Tissue:	51.28	19,790.06		2002	2014
Roanoke River, North Fork (middle)								
50263	Recreation		Total Size Escherichia coli:	6.56			2006	2014
Roanoke River, South Fork								
00710	Aquatic Life		Total Size Temperature, water:	12.65			2004	2014
00698	Recreation		Total Size Fecal Coliform:	12.65			2004	2016
Sandy Creek								
00384	Recreation		Total Size Fecal Coliform:	11.76			2002	2007
00754	Recreation		Total Size Fecal Coliform:	9.17			2004	2008
50129	Recreation		Total Size Fecal Coliform:	5.34			2002	2014
Sandy River								
50136	Recreation		Total Size Escherichia coli:	13.81			2006	2018
00379	Recreation		Total Size Fecal Coliform:	7.21			2002	2008
Smith Mountain Lake, Roanoke River								
50314	Aquatic Life		Total Size Oxygen, Dissolved:	350.06			2002	2014
01329	Aquatic Life		Total Size pH:	2,633.28			2002	2014
Smith River								
00375	Aquatic Life		Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	13.77			1998	2008
50289	Recreation		Total Size Escherichia coli:	3.25			2006	2018
50290	Recreation		Total Size Fecal Coliform:	0.49			2004	2016
50293	Recreation		Total Size Fecal Coliform:	6.29			2006	2014
Smith River, Lower and Middle								
01712	Recreation		Total Size Fecal Coliform:	6.46			2004	2008
Smith River, Lower, Middle, Upper								
01711	Aquatic Life		Total Size Temperature, water:	9.20			2002	2014
01714	Recreation		Total Size Fecal Coliform:	9.20			2004	2016
Smith River, Upper and Middle								
01713	Recreation		Total Size Fecal Coliform:	13.77			2002	2008
Snow Creek								
00299	Recreation		Total Size Escherichia coli:	10.98			2006	2006

2006 303(d) List Summary of Impaired Waters (Category 5) Needing TMDL Study*

Roanoke and Yadkin River Basins

TMDL Watershed Name		Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use						
South Mayo River							
85005	Recreation	Total Size Fecal Coliform:	12.00			2004	2016
South Mayo River, Lower, Middle, Upper							
01708	Recreation	Total Size Fecal Coliform:	10.86			2004	2008
South Prong Sandy River							
50135	Recreation	Total Size Escherichia coli:	13.04			2006	2018
Spoon Creek							
01707	Recreation	Total Size Escherichia coli:	7.64			2006	2016
01707	Recreation	Total Size Fecal Coliform:	7.64			2004	2016
Staunton (Roanoke) River							
00287	Fish Consumption	Total Size PCB in Fish Tissue:	84.18			1998	2010
00288	Recreation	Total Size Escherichia coli:	43.96			2006	2006
Stinking River							
00771	Recreation	Total Size Fecal Coliform:	8.98			2004	2007
Storey Creek							
00298	Recreation	Total Size Escherichia coli:	11.60			2006	2006
00298	Recreation	Total Size Fecal Coliform:	11.60			1996	2006
Straightstone Creek							
50110	Recreation	Total Size Escherichia coli:	8.46			2006	2018
Suck Creek							
50118	Recreation	Total Size Escherichia coli:	8.34			2006	2018
Tardy Creek							
50134	Recreation	Total Size Escherichia coli:	2.85			2006	2018
Teels Creek							
00714	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	4.60			2002	2014
Tomahawk Creek							
50502	Recreation	Total Size Escherichia coli:	4.42			2006	2018
50502	Recreation	Total Size Fecal Coliform:	4.42			2006	2018
Turnip Creek							
00289	Recreation	Total Size Escherichia coli:	2.70			2006	2014
50120	Recreation	Total Size Escherichia coli:	2.00			2006	2016

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Roanoke and Yadkin River Basins

TMDL Watershed Name		Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use						
Wards Fork Creek							
00753	Recreation	Total Size Fecal Coliform:	5.73			2002	2014
Whipping Creek							
50111	Recreation	Total Size Escherichia coli:	13.57			2006	2018
Whitehorn Creek							
00770	Recreation	Total Size Escherichia coli:	24.73			2006	2007
00770	Recreation	Total Size Fecal Coliform:	24.73			2002	2007
Wilson Creek							
00295	Recreation	Total Size Escherichia coli:	6.91			2004	2006

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Chowan River and Dismal Swamp Basins

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Airfield Pond, Lower, Unnamed Tributary								
01565	Aquatic Life	Total Size Oxygen, Dissolved:	1.55				2004	2016
01563	Aquatic Life	Total Size pH:	1.55				2004	2016
01564	Recreation	Total Size Fecal Coliform:	1.55				2004	2016
Airfield Pond, Upper, Unnamed Tributary								
01561	Aquatic Life	Total Size Oxygen, Dissolved:	1.23				2004	2016
01562	Recreation	Total Size Escherichia coli:	1.23				2004	2016
01562	Recreation	Total Size Fecal Coliform:	1.23				2004	2016
Albermarle Canal (Upstream of North Landing River)								
01575	Aquatic Life	Total Size Chloride:	17.21				2004	2016
00643	Aquatic Life	Total Size Oxygen, Dissolved:	17.21				2002	2010
01575	Wildlife	Total Size Chloride:	8.73				2004	2016
Applewhite Swamp								
01545	Aquatic Life	Total Size pH:	7.77				2004	2016
Ashville Bridge Creek - Lower								
76062	Aquatic Life	Total Size Oxygen, Dissolved:		0.00	2006	2018		
76063	Aquatic Life	Total Size pH:		0.00	2006	2018		
76064	Recreation	Total Size Enterococcus:		0.00	2006	2018		
76064	Recreation	Total Size Fecal Coliform:		0.00	2006	2018		
Assamoosick, Seacorrie, German, Pigeon Swamps								
00484	Aquatic Life	Total Size pH:	3.65				1998	2010
00498	Recreation	Total Size Escherichia coli:	2.05				2006	2010
00498	Recreation	Total Size Fecal Coliform:	13.93				2002	2010
01361	Recreation	Total Size Fecal Coliform:	3.65				2004	2016
Beggars Bridge Creek								
01580	Recreation	Total Size Enterococcus:		0.03	2006	2016		
Big Juniper Creek								
50102	Recreation	Total Size Escherichia coli:	6.56				2006	2018
Black Swamp								
01360	Recreation	Total Size Fecal Coliform:	3.77				2002	2014
Blackwater Creek								
76059	Recreation	Total Size Escherichia coli:	4.41				2006	2018

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Chowan River and Dismal Swamp Basins

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Blackwater River								
00639	Aquatic Life	Total Size Oxygen, Dissolved:	25.24				1996	2010
01566	Fish Consumption	Total Size Mercury in Fish Tissue:	46.56				2004	2016
10049	Fish Consumption	Total Size Mercury in Fish Tissue:	7.91				2006	2018
00500	Recreation	Total Size Escherichia coli:	24.55				2006	2014
Blackwater River - Lower Middle								
76051	Recreation	Total Size Escherichia coli:	4.26				2006	2018
Blackwater River - Upper								
76049	Fish Consumption	Total Size Mercury in Fish Tissue:	19.12				2006	2018
76052	Recreation	Total Size Escherichia coli:	6.21				2006	2018
Blackwater River, Upper								
01551	Aquatic Life	Total Size Oxygen, Dissolved:	27.22				2002	2010
Blackwater Swamp								
01366	Recreation	Total Size Escherichia coli:	22.53				2006	2014
01366	Recreation	Total Size Fecal Coliform:	22.53				2002	2014
Brantley Swamp, Lower								
01555	Aquatic Life	Total Size Oxygen, Dissolved:	3.52				2004	2016
01556	Aquatic Life	Total Size pH:	3.52				2004	2016
Briery Branch								
01308	Recreation	Total Size Fecal Coliform:	4.00				2004	2016
Broad Branch								
50104	Recreation	Total Size Escherichia coli:	3.48				2006	2018
Brunswick Lake (County Pond)								
10007	Aquatic Life	Total Size Oxygen, Dissolved:		150.00			2006	2018
10006	Aquatic Life	Total Size pH:		150.00			2006	2018
Buckhorn Creek								
01742	Aquatic Life	Total Size Oxygen, Dissolved:	1.98				1998	2016
00670	Aquatic Life	Total Size pH:	1.98				1998	2010
Buckskin Creek								
01339	Recreation	Total Size Fecal Coliform:	11.86				2004	2016
Carys Creek								
50105	Recreation	Total Size Escherichia coli:		6.06			2006	2018

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Chowan River and Dismal Swamp Basins

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Cattail Creek								
01321	Aquatic Life	Total Size Oxygen, Dissolved:	6.42				2002	2014
01319	Aquatic Life	Total Size pH:	6.42				2002	2014
01320	Recreation	Total Size Fecal Coliform:	6.42				2004	2016
Chapel Swamp								
01568	Aquatic Life	Total Size Oxygen, Dissolved:	8.19				2004	2016
01569	Aquatic Life	Total Size pH:	8.19				2004	2016
Coppahaunk Swamp								
01372	Recreation	Total Size Escherichia coli:	12.49				2006	2014
01372	Recreation	Total Size Fecal Coliform:	12.49				2002	2014
Darden Mill Run								
01547	Aquatic Life	Total Size Oxygen, Dissolved:	10.42				2002	2014
01548	Aquatic Life	Total Size pH:	10.42				2002	2016
01549	Recreation	Total Size Escherichia coli:	10.42				2002	2016
Dismal Swamp Canal								
01572	Aquatic Life	Total Size Oxygen, Dissolved:	14.71				1998	2016
00672	Aquatic Life	Total Size pH:	14.71				1998	2010
01567	Fish Consumption	Total Size Mercury in Fish Tissue:	14.71				2004	2016
Emporia Lake (Meherrin Reservoir)								
01313	Aquatic Life	Total Size Oxygen, Dissolved:		210.00			2006	2014
Flat Rock Creek								
50103	Recreation	Total Size Escherichia coli:	1.66				2006	2018
00696	Recreation	Total Size Fecal Coliform:	9.72				2002	2010
Flat Swamp								
01542	Aquatic Life	Total Size Oxygen, Dissolved:	6.30				2004	2016
01543	Aquatic Life	Total Size pH:	6.30				2004	2016
01541	Recreation	Total Size Fecal Coliform:	6.30				2004	2016
Fontaine Creek								
00680	Aquatic Life	Total Size Oxygen, Dissolved:	15.92				2002	2010
01325	Aquatic Life	Total Size pH:	10.44				2004	2014
01322	Recreation	Total Size Escherichia coli:	15.92				2006	2014
01317	Recreation	Total Size Fecal Coliform:	5.04				2004	2016
01322	Recreation	Total Size Fecal Coliform:	36.25				2002	2014
Fort Pickett Reservoir								
00746	Aquatic Life	Total Size Oxygen, Dissolved:		318.95			2004	2016

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Chowan River and Dismal Swamp Basins

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Genito Creek								
10005	Recreation	Total Size Escherichia coli:		7.92			2006	2016
Great Creek								
01740	Aquatic Life	Total Size Oxygen, Dissolved:		2.78			2004	2016
01312	Aquatic Life	Total Size pH:		2.78			2002	2014
01311	Recreation	Total Size Escherichia coli:		11.82			2006	2014
01311	Recreation	Total Size Fecal Coliform:		14.60			2004	2014
01746	Recreation	Total Size Fecal Coliform:		10.03			2004	2016
Harris Swamp								
10120	Aquatic Life	Total Size pH:		2.34			2006	2018
Hatcher Run								
01349	Recreation	Total Size Fecal Coliform:		4.38			2004	2014
Hell Point Creek - Upper								
76067	Recreation	Total Size Enterococcus:				0.03	2006	2018
Hell Point Creek, Lower (At Mouth)								
01581	Recreation	Total Size Enterococcus:				0.03	2004	2016
01581	Recreation	Total Size Fecal Coliform:				0.03	2004	2016
Horsepen Branch								
10008	Aquatic Life	Total Size Oxygen, Dissolved:		3.91			2006	2018
Hunting Quarter Swamp								
01354	Aquatic Life	Total Size pH:		16.55			2004	2016
Hurricane Branch								
00747	Aquatic Life	Total Size Oxygen, Dissolved:		1.94			2004	2016
Indian Creek tributary to Northwest River								
00263	Aquatic Life	Total Size Oxygen, Dissolved:		3.48			2002	2010
01573	Recreation	Total Size Escherichia coli:		3.48			2006	2016
Lake Drummond								
76054	Fish Consumption	Total Size Mercury in Fish Tissue:		3,242.00			2006	2018

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Chowan River and Dismal Swamp Basins

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Meherrin River								
01316	Fish Consumption		Total Size Benzo[k]fluoranthene:	26.62			2002	2014
00593	Fish Consumption		Total Size PCB in Fish Tissue:	26.62			2004	2016
01309	Recreation		Total Size Escherichia coli:	11.94			2006	2014
01314	Recreation		Total Size Escherichia coli:	14.14			2006	2014
01309	Recreation		Total Size Fecal Coliform:	11.94			2002	2014
01314	Recreation		Total Size Fecal Coliform:	14.14			2002	2014
Meherrin River, Middle								
00695	Recreation		Total Size Fecal Coliform:	7.14			2004	2010
Mill Swamp								
00636	Aquatic Life		Total Size Oxygen, Dissolved:	8.39			1998	2010
76047	Aquatic Life		Total Size Oxygen, Dissolved:	10.17			2006	2018
76048	Recreation		Total Size Fecal Coliform:	10.17			2006	2018
Milldam Creek								
00642	Aquatic Life		Total Size Oxygen, Dissolved:	2.49			2002	2010
Muddy Creek								
01582	Recreation		Total Size Enterococcus:			0.04	2006	2016
Nawney Creek, Upper								
00645	Aquatic Life		Total Size Oxygen, Dissolved:			0.02	1996	2010
Nebblets Mill Run and all its tributaries								
01352	Recreation		Total Size Escherichia coli:	1.73			2006	2014
01352	Recreation		Total Size Fecal Coliform:	1.73			2004	2014
North Landing River - Middle								
76058	Recreation		Total Size Escherichia coli:	8.48			2006	2018
76061	Wildlife		Total Size Chloride:	8.48			2006	2018
North Landing River (Middle)								
01576	Aquatic Life		Total Size Chloride:	13.50			2004	2016
01576	Wildlife		Total Size Chloride:	13.50			2004	2016
North Meherrin River								
00463	Recreation		Total Size Escherichia coli:	7.58			2006	2010
00463	Recreation		Total Size Fecal Coliform:	7.58			2002	2010
Northwest River								
00641	Aquatic Life		Total Size Oxygen, Dissolved:	17.19			1998	2010

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Northwest River - Lower (PWS)								
76055	Recreation	Total Size Escherichia coli:	0.73				2006	2018
Northwest River - Middle (PWS)								
76057	Recreation	Total Size Escherichia coli:	10.80				2006	2018
Northwest River (PWS), Unnamed Tributary								
76056	Recreation	Total Size Escherichia coli:	4.24				2006	2018
Northwest River, Unnamed Tributary								
01574	Aquatic Life	Total Size Oxygen, Dissolved:	4.24				2002	2014
Nottoway Falls Lake								
00745	Aquatic Life	Total Size Oxygen, Dissolved:		32.07			2004	2016
Nottoway Pond								
50019	Aquatic Life	Total Size Oxygen, Dissolved:		55.09			2006	2018
Nottoway River								
50106	Recreation	Total Size Escherichia coli:	3.40				2006	2018
01334	Recreation	Total Size Fecal Coliform:	11.70				2004	2016
Otterdam Swamp								
01378	Recreation	Total Size Escherichia coli:	7.56				2006	2014
01378	Recreation	Total Size Fecal Coliform:	7.56				2002	2014
Otterdam Swamp, Unnamed Tributary								
10048	Aquatic Life	Total Size pH:	1.14				2006	2018
10046	Recreation	Total Size Fecal Coliform:	2.55				2006	2018
Pocaty River								
01577	Aquatic Life	Total Size Oxygen, Dissolved:	7.19				2002	2014
Raccoon Creek, Unnamed Tributary								
10012	Aquatic Life	Total Size pH:	4.34				2006	2018
Rattlesnake Creek								
01318	Recreation	Total Size Fecal Coliform:	8.92				2002	2014
Rattlesnake Swamp								
00637	Aquatic Life	Total Size Oxygen, Dissolved:	6.09				2002	2010
00661	Aquatic Life	Total Size pH:	8.92				2002	2014
Redhead Bay at Drum Point								
76065	Recreation	Total Size Enterococcus:				0.20	2006	2018

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Rowanty Creek								
01351	Recreation	Total Size Fecal Coliform:		1.11			2002	2014
Rowanty Creek, Gosee Swamp and Tributaries								
00478	Aquatic Life	Total Size Oxygen, Dissolved:		110.35			1998	2010
00477	Aquatic Life	Total Size pH:		110.35			1998	2010
Sappony Creek								
10009	Recreation	Total Size Escherichia coli:		20.98			2006	2018
Seacock Swamp - Upper								
00638	Aquatic Life	Total Size Oxygen, Dissolved:		0.80			1998	2010
76050	Recreation	Total Size Fecal Coliform:		0.80			2006	2018
Seacock Swamp, Lower								
01557	Recreation	Total Size Fecal Coliform:		2.47			2004	2016
Seacock Swamp, Unnamed Tributary								
01559	Aquatic Life	Total Size Oxygen, Dissolved:		1.02			2004	2016
01560	Aquatic Life	Total Size pH:		1.02			2004	2016
01558	Recreation	Total Size Fecal Coliform:		1.02			2004	2016
Seacock Swamp, Upper								
00669	Aquatic Life	Total Size pH:		0.80			1998	2010
Seacorrie Swamp								
01362	Recreation	Total Size Escherichia coli:		6.90			2006	2014
01362	Recreation	Total Size Fecal Coliform:		6.90			2002	2014
Seacorrie Swamp, Unnamed Tributary								
00527	Aquatic Life	Total Size Ammonia (Un-ionized):		1.46			2002	2014
01363	Recreation	Total Size Escherichia coli:		1.46			2006	2014
01363	Recreation	Total Size Fecal Coliform:		1.46			2002	2014
00527	Wildlife	Total Size Ammonia (Un-ionized):		1.46			2002	2014
Second Swamp								
01369	Recreation	Total Size Fecal Coliform:		15.21			2004	2014
Shipps Bay, Back Bay Area								
76066	Aquatic Life	Total Size pH:			3.00	2006	2018	
Somerton Creek								
76053	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		10.36			2006	2018
00640	Aquatic Life	Total Size Oxygen, Dissolved:		10.36			1996	2010
00671	Aquatic Life	Total Size pH:		10.36			1996	2010

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Somerton Creek, Unnamed Tributary (March Swamp)								
01570	Aquatic Life	Total Size Oxygen, Dissolved:	7.47				2004	2016
01571	Aquatic Life	Total Size pH:	7.47				2004	2016
South Meherrin River								
50101	Recreation	Total Size Escherichia coli:	7.02				2006	2018
Spring Branch								
00204	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	3.52				1998	2006
Stony Creek								
01307	Recreation	Total Size Fecal Coliform:	13.78				2004	2016
Sturgeon Creek								
01338	Aquatic Life	Total Size pH:	8.06				2004	2014
Tarrara Creek								
00634	Aquatic Life	Total Size Oxygen, Dissolved:	13.61				1996	2010
Three Creek								
10108	Recreation	Total Size Escherichia coli:	6.44				2006	2018
Three Creek - Upper								
76045	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	9.12				2006	2018
76046	Recreation	Total Size Escherichia coli:	9.12				2006	2018
Three Creek, Lower								
01546	Recreation	Total Size Escherichia coli:	13.31				2006	2014
Waqua Creek								
01335	Aquatic Life	Total Size Oxygen, Dissolved:	2.18				2002	2014
01336	Aquatic Life	Total Size pH:	2.18				2002	2014
01337	Recreation	Total Size Fecal Coliform:	2.18				2002	2016
Warwick Swamp								
01367	Recreation	Total Size Fecal Coliform:	12.87				2002	2014
West Neck Creek, Lower								
01579	Aquatic Life	Total Size Chloride:	6.11				2004	2016
01579	Wildlife	Total Size Chloride:	6.11				2004	2016

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
West Neck Creek, Middle								
01578	Aquatic Life	Total Size Chloride:	3.84				2004	2016
00644	Aquatic Life	Total Size Oxygen, Dissolved:	3.84				1998	2010
01578	Wildlife	Total Size Chloride:	3.84				2004	2016

*VA DEQ is transitioning from fecal coliform bacteria to Escherichia coli (fresh water) and Enterrococci (salt water) for assessing the Recreation Use. These impairments have the same TMDL Group IDs but should not be added to arrive at the total impaired size. When a TMDL Study is conducted both pathogens are covered by the study. Other overlaps between Aquatic Life and it's sub-uses as well as Wildlife also occur. Different sizes apply to the sub-uses; Deep-Water, Deep-Channel and SAV. The EPA Assessment Database system can accept only one size value at time.

*The 2006 Draft IR contained Category 4A and Category 4C Impairments embedded within Virginia Category 5D Waters. Category 4A and Category 4C Impairments are removed from this Final 303(d) List.

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Abrams Creek								
50193	Recreation	Total Size Escherichia coli:		11.37			2006	2018
Bark Camp Branch								
40105	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		3.01			2004	2018
Beaver Creek								
30008	Fish Consumption	Total Size PCB in Fish Tissue:		14.70			2006	2016
Beaverdam Creek								
50174	Recreation	Total Size Escherichia coli:		2.02			2006	2018
Big Cedar Creek								
01397	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		3.89			2002	2014
01398	Recreation	Total Size Escherichia coli:		2.76			2006	2016
50203	Recreation	Total Size Escherichia coli:		4.12			2006	2016
50204	Recreation	Total Size Escherichia coli:		3.24			2006	2016
01398	Recreation	Total Size Fecal Coliform:		3.89			2004	2016
50203	Recreation	Total Size Fecal Coliform:		4.12			2006	2016
Big Cherry Reservoir								
01410	Aquatic Life	Total Size Oxygen, Dissolved:		102.94			2002	2016
90001	Aquatic Life	Total Size pH:		102.94			2002	2014
Big Moccasin Creek								
01393	Recreation	Total Size Fecal Coliform:		3.49			2002	2014
Big Prater Creek								
50224	Recreation	Total Size Escherichia coli:		1.10			2006	2018
Blackwater Creek								
01407	Recreation	Total Size Fecal Coliform:		2.11			2004	2016
Blackwater Creek, East Fork								
01406	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		1.83			2002	2014
Bull Creek & tributaries								
00396	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		16.84			1998	2008
Burgess Creek								
50206	Recreation	Total Size Escherichia coli:		1.50			2006	2018

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Butcher Fork								
01412	Recreation	Total Size Fecal Coliform:		4.86			2004	2016
Callahan Creek								
00257	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		1.67			1998	2006
00258	Recreation	Total Size Escherichia coli:		3.43			2006	2016
00258	Recreation	Total Size Fecal Coliform:		5.10			2004	2016
Clinch River								
50208	Recreation	Total Size Escherichia coli:		13.95			2002	2016
01394	Recreation	Total Size Fecal Coliform:		5.51			2004	2016
01399	Recreation	Total Size Fecal Coliform:		6.07			2004	2016
50198	Recreation	Total Size Fecal Coliform:		6.02			2006	2016
Clinch River and Tributaries								
01391	Recreation	Total Size Escherichia coli:		5.40			2004	2014
01391	Recreation	Total Size Fecal Coliform:		3.10			2002	2014
Clinch River, North Fork								
01405	Recreation	Total Size Fecal Coliform:		5.60			2002	2014
Copper Creek								
01404	Recreation	Total Size Escherichia coli:		4.10			2004	2016
01404	Recreation	Total Size Fecal Coliform:		4.10			2004	2016
Cove Creek								
50194	Recreation	Total Size Escherichia coli:		12.69			2006	2018
Cranesnest River								
01434	Recreation	Total Size Escherichia coli:		8.66			2004	2016
Dark Hollow								
01408	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		1.33			2004	2016
Devil Fork								
40015	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		4.31			2006	2018
Dismal Creek								
50223	Recreation	Total Size Escherichia coli:		5.32			2006	2018
Dumps Creek								
50211	Recreation	Total Size Escherichia coli:		3.42			2006	2018

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Elk Garden Creek								
50207	Recreation	Total Size Escherichia coli:	3.29				2006	2018
Fall Creek								
50213	Recreation	Total Size Escherichia coli:	2.96				2006	2018
Garden Creek								
00512	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	1.81				1998	2010
40019	Aquatic Life	Total Size Chloride:	1.81				2006	2018
30024	Fish Consumption	Total Size PCB in Fish Tissue:	1.81				2006	2018
00511	Recreation	Total Size Fecal Coliform:	1.81				1998	2010
40019	Wildlife	Total Size Chloride:	1.81				2006	2018
Guess Fork and Knox Creek and Tributaries								
30021	Fish Consumption	Total Size PCB in Fish Tissue:	102.30				2006	2016
Guest River								
30016	Fish Consumption	Total Size PCB in Fish Tissue:	23.42				2006	2018
01401	Recreation	Total Size Escherichia coli:	4.07				2006	2016
50214	Recreation	Total Size Escherichia coli:	3.03				2006	2014
01401	Recreation	Total Size Fecal Coliform:	4.07				2002	2016
50214	Recreation	Total Size Fecal Coliform:	3.03				2006	2014
Guest River and Bear Creek								
30018	Fish Consumption	Total Size PCB in Fish Tissue:	1.83				2004	2018
Hardy Creek								
50219	Recreation	Total Size Escherichia coli:	12.13				2006	2018
Hidden Valley Lake								
01385	Aquatic Life	Total Size Oxygen, Dissolved:		57.51			2002	2014
50077	Aquatic Life	Total Size pH:		57.51			2006	2014
Holston River, Middle Fork								
01328	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	7.83				2000	2010
00505	Recreation	Total Size Escherichia coli:	12.60				2002	2010
50180	Recreation	Total Size Escherichia coli:	4.18				2002	2010
50180	Recreation	Total Size Fecal Coliform:	3.65				2002	2010
50309	Recreation	Total Size Fecal Coliform:	4.20				2002	2014
50310	Recreation	Total Size Fecal Coliform:	10.61				2002	2014
50311	Recreation	Total Size Fecal Coliform:	9.18				2002	2014

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Holston River, North Fork								
95000	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	4.83				2006	2006
00509	Fish Consumption	Total Size Mercury in Fish Tissue:	1.84				1994	2010
30035	Fish Consumption	Total Size Mercury in Fish Tissue:	21.52				1994	2010
30038	Fish Consumption	Total Size Mercury in Fish Tissue:	34.37				1994	2010
30039	Fish Consumption	Total Size Mercury in Fish Tissue:	5.31				1994	2010
30040	Fish Consumption	Total Size Mercury in Fish Tissue:	18.73				1994	2010
30009	Fish Consumption	Total Size PCB in Fish Tissue:	83.90				2006	2018
50190	Recreation	Total Size Escherichia coli:	8.45				2006	2018
50191	Recreation	Total Size Escherichia coli:	4.83				2006	2018
50187	Recreation	Total Size Fecal Coliform:	11.06				2006	2018
50190	Recreation	Total Size Fecal Coliform:	1.84				2006	2018
Holston River, South Fork								
00897	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	8.37				2002	2014
50172	Recreation	Total Size Escherichia coli:	8.37				2002	2014
50173	Recreation	Total Size Escherichia coli:	12.99				2004	2016
00898	Recreation	Total Size Fecal Coliform:	9.41				2004	2014
50172	Recreation	Total Size Fecal Coliform:	6.13				2006	2014
Hungry Mother Creek								
50177	Recreation	Total Size Escherichia coli:	4.47				2006	2018
Hungry Mother Lake								
00901	Aquatic Life	Total Size pH:		99.71			2002	2016
Indian Creek								
01392	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	8.86				2004	2016
01387	Recreation	Total Size Fecal Coliform:	3.98				2004	2016
01390	Recreation	Total Size Fecal Coliform:	8.86				2004	2008
John Flannagan Reservoir								
01428	Aquatic Life	Total Size Oxygen, Dissolved:		1,177.22			2002	2014
50079	Aquatic Life	Total Size pH:		1,177.22			2006	2018
Knox Creek								
00269	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		16.92			1996	2008

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Knox Creek and Guess Fork								
00268	Recreation	Total Size Escherichia coli:	16.92				2006	2008
00268	Recreation	Total Size Fecal Coliform:	7.56				2002	2008
50312	Recreation	Total Size Fecal Coliform:	8.43				2004	2016
Lake Keokee								
01419	Aquatic Life	Total Size Oxygen, Dissolved:		97.48			2002	2016
01418	Aquatic Life	Total Size pH:		97.48			2002	2016
Laurel Bed Lake								
50027	Aquatic Life	Total Size Oxygen, Dissolved:		312.38			2006	2018
50078	Aquatic Life	Total Size pH:		312.38			2006	2018
Laurel Creek								
01382	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	2.56				2002	2016
01384	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	6.39				2004	2016
50175	Recreation	Total Size Escherichia coli:	6.14				2006	2018
01383	Recreation	Total Size Fecal Coliform:	2.56				2004	2016
50175	Recreation	Total Size Fecal Coliform:	6.14				2006	2018
50188	Recreation	Total Size Fecal Coliform:	17.49				2006	2018
Laurel Springs Creek								
50178	Recreation	Total Size Escherichia coli:	2.05				2006	2018
Levisa Fork								
00513	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	3.95				1994	2010
00516	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	2.66				2002	2010
01423	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	8.10				2002	2014
40109	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	6.19				2006	2018
40018	Aquatic Life	Total Size Chloride:	3.95				2006	2018
30023	Fish Consumption	Total Size PCB in Fish Tissue:	3.95				2002	2010
30025	Fish Consumption	Total Size PCB in Fish Tissue:	3.80				2006	2018
30026	Fish Consumption	Total Size PCB in Fish Tissue:	8.10				2002	2014
30027	Fish Consumption	Total Size PCB in Fish Tissue:	2.66				2002	2014
30028	Fish Consumption	Total Size PCB in Fish Tissue:	10.88				2006	2014
50225	Recreation	Total Size Escherichia coli:	2.66				2004	2016
01421	Recreation	Total Size Fecal Coliform:	7.75				2004	2016
01422	Recreation	Total Size Fecal Coliform:	8.10				2004	2016
40018	Wildlife	Total Size Chloride:	3.95				2006	2018

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Tennessee and Big Sandy River Basins

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Lewis Creek								
50200	Recreation	Total Size Fecal Coliform:		4.83			2006	2018
Liberty Creek								
50201	Recreation	Total Size Fecal Coliform:		2.00			2004	2016
Lick Creek								
50186	Recreation	Total Size Escherichia coli:		5.63			2006	2014
Lick Creek, Laurel Branch, Cigarette Hollow								
00388	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		18.42			2002	2008
00387	Recreation	Total Size Escherichia coli:		9.46			2006	2008
00387	Recreation	Total Size Fecal Coliform:		18.42			1998	2008
Lick Creek, Lower								
01381	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		5.63			2002	2016
Little Moccasin Creek								
50195	Recreation	Total Size Escherichia coli:		4.85			2006	2018
Little River								
01388	Recreation	Total Size Fecal Coliform:		5.19			2004	2016
50202	Recreation	Total Size Fecal Coliform:		13.91			2004	2016
Locust Cove Creek								
50189	Recreation	Total Size Fecal Coliform:		8.16			2006	2018
Logan Creek								
50192	Recreation	Total Size Escherichia coli:		5.43			2006	2018
Loop Creek								
50205	Recreation	Total Size Escherichia coli:		2.88			2006	2018
Machine Creek								
01402	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		2.17			2004	2016
Maiden Spring Creek								
01389	Recreation	Total Size Fecal Coliform:		16.72			2004	2016
Mainstem North Fork Holston River								
00684	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		5.31			2002	2010
00683	Recreation	Total Size Escherichia coli:		5.31			2004	2010

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Tennessee and Big Sandy River Basins

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
McClure River								
01426	Recreation	Total Size Escherichia coli:	10.02				2006	2016
50226	Recreation	Total Size Escherichia coli:	3.27				2006	2016
01426	Recreation	Total Size Fecal Coliform:	10.02				2004	2016
Middle Creek								
50199	Recreation	Total Size Escherichia coli:	2.65				2006	2018
Mumpower Creek								
50185	Recreation	Total Size Escherichia coli:	2.80				2006	2018
Nordyke Creek								
50196	Recreation	Total Size Escherichia coli:	5.99				2006	2018
Pawpaw Creek								
00270	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	4.54				1994	2008
Plum Creek								
01395	Recreation	Total Size Fecal Coliform:	5.06				2004	2016
Poor Valley Creek								
40107	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	2.69				2004	2018
Pound Reservoir, North Fork								
01427	Aquatic Life	Total Size Oxygen, Dissolved:		115.76			2004	2016
Pound River								
01430	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	16.67				2004	2016
40111	Recreation	Total Size Escherichia coli:	3.66				2006	2018
Pound River, North Fork								
00397	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	1.51				1996	2008
Pound River, South Fork								
00398	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	12.62				2002	2008

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TMDL Watershed Name		Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use						
Powell River							
00676	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	2.62			1994	2008
01416	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	6.37			2004	2016
01420	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	8.43			2002	2014
00265	Recreation	Total Size Escherichia coli:	2.62			2002	2008
50220	Recreation	Total Size Escherichia coli:	12.69			2006	2018
01415	Recreation	Total Size Fecal Coliform:	6.37			2004	2016
50217	Recreation	Total Size Fecal Coliform:	5.24			2006	2018
Powell River, North Fork							
00267	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	6.02			1994	2008
00266	Recreation	Total Size Escherichia coli:	6.02			2004	2008
Powell River, South Fork							
00510	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	5.61			1998	2010
01414	Recreation	Total Size Fecal Coliform:	6.33			2004	2016
Roaring Branch							
40106	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	2.87			2004	2018
Russell Fork							
40110	Fish Consumption	Total Size PCB in Fish Tissue:	3.77			2002	2018
01425	Recreation	Total Size Escherichia coli:	8.68			2004	2016
50227	Recreation	Total Size Escherichia coli:	2.21			2006	2018
Russell Prater Creek							
00210	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	11.28			1996	2006
Slate Creek							
00514	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	9.10			1994	2010
00515	Recreation	Total Size Fecal Coliform:	9.10			1994	2010
Smith Creek							
50197	Recreation	Total Size Escherichia coli:	7.87			2006	2018
Staunton Creek							
50212	Recreation	Total Size Escherichia coli:	9.38			2006	2018

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Stock Creek								
30019	Fish Consumption		Total Size PCB in Fish Tissue:	4.52			2004	2016
Straight Creek								
00271	Recreation		Total Size Escherichia coli:	6.64			2002	2006
Straight Creek, Stone Creek and Tributaries								
00272	Aquatic Life		Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	33.23			1996	2006
Swords Creek (Lower)								
40011	Aquatic Life		Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	2.88			2002	2014
Thompson Creek								
50209	Recreation		Total Size Escherichia coli:	4.26			2006	2018
Toole Creek								
40102	Recreation		Total Size Escherichia coli:	5.99			2006	2018
Town Creek								
50221	Recreation		Total Size Escherichia coli:	2.31			2006	2018
Tumbling Creek								
40103	Recreation		Total Size Escherichia coli:	1.56			2006	2018
Walker Creek								
50179	Recreation		Total Size Escherichia coli:	10.58			2006	2018
Wallen Creek								
90000	Aquatic Life		Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	2.03			2002	2014
50222	Recreation		Total Size Escherichia coli:	2.03			2006	2018
Weaver Creek								
50210	Recreation		Total Size Escherichia coli:	5.64			2006	2018
Whitetop Laurel Creek								
50176	Recreation		Total Size Escherichia coli:	3.19			2006	2018
Wise Reservoir								
01400	Aquatic Life		Total Size Oxygen, Dissolved:	46.12			2004	2014

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TMDL Watershed Name		Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use						
Wolf Creek							
40010	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	3.34			1998	2010
30007	Fish Consumption	Total Size PCB in Fish Tissue:	7.87			2006	2018
40104	Recreation	Total Size Escherichia coli:	0.88			2006	2018
50182	Recreation	Total Size Fecal Coliform:	0.41			2004	2016
Wolf Creek, Lower							
00506	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	4.53			1998	2010
00507	Recreation	Total Size Fecal Coliform:	7.46			2004	2010

*VA DEQ is transitioning from fecal coliform bacteria to Escherichia coli (fresh water) and Enterrococci (salt water) for assessing the Recreation Use. These impairments have the same TMDL Group IDs but should not be added to arrive at the total impaired size. When a TMDL Study is conducted both pathogens are covered by the study. Other overlaps between Aquatic Life and its sub-uses as well as Wildlife also occur. Different sizes apply to the sub-uses; Deep-Water, Deep-Channel and SAV. The EPA Assessment Database system can accept only one size value at this time.

*The 2006 Draft IR contained Category 4A and Category 4C Impairments embedded within Virginia Category 5D Waters. Category 4A and Category 4C Impairments are removed from this Final 303(d) List.

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Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
76092	Aquatic Life	Total Size Aquatic Plants (Macrophytes):					0.02	2006
76092	Shallow-Water Submerged Aquatic Vegetation	Total Size Aquatic Plants (Macrophytes):					0.02	2006
Antipoison Creek								
00947	Shellfishing	Total Size Fecal Coliform:					0.44	1998 2008
Arbuckle Creek								
76019	Shellfishing	Total Size Fecal Coliform:					0.04	2006 2018
Assawoman Creek								
76125	Recreation	Total Size Enterococcus:					0.14	2006 2010
Assawoman Creek, Lower								
01457	Aquatic Life	Total Size Oxygen, Dissolved:					0.06	2004 2014
00429	Shellfishing	Total Size Fecal Coliform:					0.06	1998 2008
Assawoman Creek, Upper								
01250	Shellfishing	Total Size Fecal Coliform:					0.07	1998 2008
Back Creek								
00994	Shellfishing	Total Size Fecal Coliform:					0.08	1998 2006
01755	Shellfishing	Total Size Fecal Coliform:					0.09	1998 2006
Back River, Northwest Branch								
01214	Shellfishing	Total Size Fecal Coliform:					0.39	2004 2006
Back River, Southwest Branch (Upper)								
01437	Recreation	Total Size Fecal Coliform:					1.76	2006 2014
01217	Shellfishing	Total Size Fecal Coliform:					1.76	2006 2006
Bagwell Creek								
00362	Shellfishing	Total Size Fecal Coliform:					0.19	1998 2008
Ball Creek								
00948	Shellfishing	Total Size Fecal Coliform:					0.08	1998 2006
Balls Creek								
15014	Shellfishing	Total Size Fecal Coliform:					0.18	1998 2018
Barrett Creek								
15003	Shellfishing	Total Size Fecal Coliform:					0.10	2002 2018
Betts Mill Creek								
00949	Shellfishing	Total Size Fecal Coliform:					0.08	2004 2016

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Billups Creek								
00995	Shellfishing	Total Size Fecal Coliform:					0.08	1998 2008
Blackwater Creek								
00996	Shellfishing	Total Size Fecal Coliform:					0.51	1998 2006
Brick Kiln Creek								
00413	Recreation	Total Size Enterococcus:					0.09	2004 2008
Brick Kiln Creek (Cedar Creek)								
01208	Shellfishing	Total Size Fecal Coliform:					0.09	1998 2006
Browns Bay and Monday Creek								
01023	Shellfishing	Total Size Fecal Coliform:					0.04	1998 2006
Bulbeggar Creek								
01447	Recreation	Total Size Enterococcus:					0.12	2006 2016
01447	Recreation	Total Size Fecal Coliform:					0.12	1998 2016
01228	Shellfishing	Total Size Fecal Coliform:					0.12	1998 2010
Burke Mill Stream								
01017	Recreation	Total Size Fecal Coliform:	2.69				2004	2016
Bush Mill Stream								
00977	Recreation	Total Size Fecal Coliform:	5.87				2002	2014
Cape Charles Harbor, Upper								
01453	Recreation	Total Size Enterococcus:					0.06	2004 2016
Cedar & Topping Creeks								
01219	Shellfishing	Total Size Fecal Coliform:					0.10	2006 2006
Cedar Creek								
00274	Shellfishing	Total Size Fecal Coliform:					0.06	1998 2006
Cherrystone Inlet - Upper								
76556	Shellfishing	Total Size Fecal Coliform:					0.30	1998 2010
Chesapeake Bay - CBP Segment CB5MH								
00520	Aquatic Life	Total Size Estuarine Bioassessments					187.60	2004 2018
80007	Aquatic Life	Total Size Aquatic Plants (Macrophytes):					187.60	2006 2010

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Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Chesapeake Bay - CBP Segment CB6PH (North)								
80009	Aquatic Life		Total Size Aquatic Plants (Macrophytes):				127.00	2006 2010
80009	Shallow-Water Submerged Aquatic Vegetation		Total Size Aquatic Plants (Macrophytes):				127.00	2006 2010
Chesapeake Bay - CBP Segment CB6PH (South)								
80011	Aquatic Life		Total Size Aquatic Plants (Macrophytes):				160.24	2006 2010
80011	Shallow-Water Submerged Aquatic Vegetation		Total Size Aquatic Plants (Macrophytes):				160.24	2006 2010
Chesapeake Bay - CBP Segment CB7PH								
80003	Aquatic Life		Total Size Aquatic Plants (Macrophytes):				0.40	2006 2010
80003	Shallow-Water Submerged Aquatic Vegetation		Total Size Aquatic Plants (Macrophytes):				0.40	2006 2010
Chesapeake Bay - CBP Segment CB7PH (North)								
80013	Aquatic Life		Total Size Aquatic Plants (Macrophytes):				170.00	2006 2010
80013	Shallow-Water Submerged Aquatic Vegetation		Total Size Aquatic Plants (Macrophytes):				170.00	2006 2010
Chesapeake Bay - CBP Segment CB7PH (South)								
80015	Aquatic Life		Total Size Aquatic Plants (Macrophytes):				386.34	2006 2010
80015	Shallow-Water Submerged Aquatic Vegetation		Total Size Aquatic Plants (Macrophytes):				386.34	2006 2010
Chesapeake Bay - CBP Segment CB8PH								
80016	Aquatic Life		Total Size Aquatic Plants (Macrophytes):				152.60	2006 2010
80016	Shallow-Water Submerged Aquatic Vegetation		Total Size Aquatic Plants (Macrophytes):				152.60	2006 2010
Chesapeake Bay - CBP Segment MOBPH								
80017	Aquatic Life		Total Size Estuarine Bioassessments				93.20	2006 2018
80018	Aquatic Life		Total Size Oxygen, Dissolved:				93.20	2006 2010
80019	Aquatic Life		Total Size Aquatic Plants (Macrophytes):				93.20	2006 2010
90014	Fish Consumption		Total Size PCB in Fish Tissue:				93.20	2006 2018
80018	Open-Water Aquatic Life		Total Size Oxygen, Dissolved:				93.20	2006 2010
80019	Shallow-Water Submerged Aquatic Vegetation		Total Size Aquatic Plants (Macrophytes):				93.20	2006 2010

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Chesapeake Bay - CBP Segment TANMH								
80001	Aquatic Life	Total Size Oxygen, Dissolved:					123.00	2006 2010
80002	Aquatic Life	Total Size Aquatic Plants (Macrophytes):					121.44	2006 2010
80001	Open-Water Aquatic Life	Total Size Oxygen, Dissolved:					123.00	2006 2010
80002	Shallow-Water Submerged Aquatic Vegetation	Total Size Aquatic Plants (Macrophytes):					121.44	2006 2010
Chesapeake Bay - Off Little Creek BSS #60, Area A								
80006	Aquatic Life	Total Size Aquatic Plants (Macrophytes):					1.38	2006 2010
80006	Shallow-Water Submerged Aquatic Vegetation	Total Size Aquatic Plants (Macrophytes):					1.38	2006 2010
Chesapeake Bay - Off Little Creek BSS #60, Area B								
80005	Aquatic Life	Total Size Aquatic Plants (Macrophytes):					0.54	2006 2010
80005	Shallow-Water Submerged Aquatic Vegetation	Total Size Aquatic Plants (Macrophytes):					0.54	2006 2010
Chesapeake Bay - Segment CB5MH								
90010	Fish Consumption	Total Size PCB in Fish Tissue:					187.60	2006 2018
Chesapeake Bay - Segment CB6PH								
90011	Fish Consumption	Total Size PCB in Fish Tissue:					287.24	2006 2018
Chesapeake Bay - Segment CB7PH								
90012	Fish Consumption	Total Size PCB in Fish Tissue:					556.74	2006 2018
Chesapeake Bay - Segment CB8PH								
90013	Fish Consumption	Total Size PCB in Fish Tissue:					154.52	2006 2018
Chesapeake Bay - VA portion of CBP segment POCMH								
80000	Aquatic Life	Total Size Aquatic Plants (Macrophytes):					48.40	2006 2010
90015	Fish Consumption	Total Size PCB in Fish Tissue:					48.40	2006 2018
80000	Shallow-Water Submerged Aquatic Vegetation	Total Size Aquatic Plants (Macrophytes):					48.40	2006 2010
Chesapeake Bay - VA portion of CBP Segment TANMH								
90020	Aquatic Life	Total Size Aquatic Plants (Macrophytes):					1.56	2006 2010
90016	Fish Consumption	Total Size PCB in Fish Tissue:					123.00	2006 2018
90020	Shallow-Water Submerged Aquatic Vegetation	Total Size Aquatic Plants (Macrophytes):					1.56	2006 2010

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Chesapeake Bay 5 Mesohaline Embayments								
01766	Aquatic Life		Total Size Oxygen, Dissolved:				214.55	2004 2010
10061	Aquatic Life		Total Size Aquatic Plants (Macrophytes):				26.95	2006 2010
01766	Deep-Water Aquatic Life		Total Size Oxygen, Dissolved:				200.06	2004 2010
10061	Shallow-Water Submerged Aquatic Vegetation		Total Size Aquatic Plants (Macrophytes):				26.95	2006 2010
Chesapeake Bay 7 Polyhaline Embayments								
01767	Aquatic Life		Total Size Oxygen, Dissolved:				37.09	2004 2010
76092	Aquatic Life		Total Size Aquatic Plants (Macrophytes):				36.68	2006 2010
01767	Open-Water Aquatic Life		Total Size Oxygen, Dissolved:				37.09	2004 2010
76092	Shallow-Water Submerged Aquatic Vegetation		Total Size Aquatic Plants (Macrophytes):				36.68	2006 2010
Chesapeake Bay 8 Polyhaline Embayments								
76091	Aquatic Life		Total Size Aquatic Plants (Macrophytes):				3.60	2006 2010
76091	Shallow-Water Submerged Aquatic Vegetation		Total Size Aquatic Plants (Macrophytes):				3.60	2006 2010
Chesapeake Bay and Tributaries								
76068	Fish Consumption		Total Size PCB in Fish Tissue:				101.38	2006 2018
Chesapeake Bay Polyhaline Embayments								
10115	Aquatic Life		Total Size Oxygen, Dissolved:				4.68	2006 2010
10116	Aquatic Life		Total Size Aquatic Plants (Macrophytes):				4.68	2006 2010
10115	Open-Water Aquatic Life		Total Size Oxygen, Dissolved:				4.68	2006 2010
10116	Shallow-Water Submerged Aquatic Vegetation		Total Size Aquatic Plants (Macrophytes):				4.68	2006 2010
Chesapeake Creek, Unnamed Tributary								
00975	Shellfishing		Total Size Fecal Coliform:				0.02	2002 2014
Chesconessex Creek - Upper								
01760	Shellfishing		Total Size Fecal Coliform:				0.21	1998 2006
Chisman Creek								
76002	Recreation		Total Size Enterococcus:				1.24	2006 2018
Chisman Creek, Lower								
01209	Shellfishing		Total Size Fecal Coliform:				0.51	2004 2006
Church Creek - Upper								
00409	Shellfishing		Total Size Fecal Coliform:				0.09	1998 2008

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Cloverdale Creek								
00950	Shellfishing		Total Size Fecal Coliform:				0.02	1998 2006
Cobbs Creek								
15006	Shellfishing		Total Size Fecal Coliform:				0.05	2006 2018
Cockrell Creek								
00951	Shellfishing		Total Size Fecal Coliform:				1.04	1998 2006
Craddock Creek - Upper								
00391	Shellfishing		Total Size Fecal Coliform:				0.08	1998 2006
Davenport Creek								
00954	Shellfishing		Total Size Fecal Coliform:				0.02	2004 2016
Davis Creek								
00998	Shellfishing		Total Size Fecal Coliform:				0.07	2002 2014
01000	Shellfishing		Total Size Fecal Coliform:				0.08	1998 2010
Deep Creek								
76010	Recreation		Total Size Enterococcus:				1.26	2006 2018
Deep Creek - Upper								
00394	Shellfishing		Total Size Fecal Coliform:				0.16	1998 2008
Dividing Creek (22A)								
00953	Shellfishing		Total Size Fecal Coliform:				0.23	1998 2006
Dividing Creek, Unnamed Cove (22B)								
00976	Shellfishing		Total Size Fecal Coliform:				0.01	1998 2006
Doctors Creek								
00999	Shellfishing		Total Size Fecal Coliform:				0.01	1998 2008
Dragon Run								
00982	Aquatic Life		Total Size Oxygen, Dissolved:	19.61				2004 2016
00983	Aquatic Life		Total Size pH:	19.61				2004 2016
Dragon Run, Dragon Swamp								
00981	Aquatic Life		Total Size pH:	11.57				2002 2016
Dragon Swamp								
00980	Shellfishing		Total Size Fecal Coliform:				1.11	1998 2010
Dragon Swamp, Piankatank River Watersheds - Mercury								
00978	Fish Consumption		Total Size Mercury in Fish Tissue:	31.18			3.33	2004 2016

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
DSS Inlet #2-Unnamed Inlet of Back River								
01808	Shellfishing	Total Size Fecal Coliform:					0.01	2006 2006
Dymer Creek								
00955	Shellfishing	Total Size Fecal Coliform:					0.23	1998 2008
East River								
01003	Shellfishing	Total Size Fecal Coliform:					0.14	1998 2008
East River, East Shore								
01004	Shellfishing	Total Size Fecal Coliform:					0.02	2002 2014
Easton Cove/Floyds Bay								
01752	Shellfishing	Total Size Fecal Coliform:					0.18	2006 2018
Edwards Creek								
01001	Shellfishing	Total Size Fecal Coliform:					0.03	1998 2010
Elmington Creek								
01002	Shellfishing	Total Size Fecal Coliform:					0.07	1998 2006
Exol Swamp								
15017	Aquatic Life	Total Size Oxygen, Dissolved:	13.42				2006	2018
15016	Aquatic Life	Total Size pH:	13.42				2006	2018
Ferry Creek								
00986	Shellfishing	Total Size Fecal Coliform:					0.09	1998 2010
Finney Creek, Upper								
01459	Recreation	Total Size Fecal Coliform:					0.00	2004 2016
Finneys Creek, Upper								
00275	Shellfishing	Total Size Fecal Coliform:					0.05	1998 2006
Folly Creek								
76020	Aquatic Life	Total Size Oxygen, Dissolved:					0.46	2006 2018
76021	Recreation	Total Size Enterococcus:					0.46	2006 2018
Folly Creek, Unnamed Tributary								
01464	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	1.54				2002	2014
76023	Aquatic Life	Total Size Oxygen, Dissolved:	1.54				2006	2018
Folly Creek, Upper								
01252	Shellfishing	Total Size Fecal Coliform:					0.25	2004 2008

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Fox Mill Run								
01020	Aquatic Life	Total Size Oxygen, Dissolved:		7.07			2002	2014
01021	Recreation	Total Size Fecal Coliform:		7.07			2002	2014
Frenchs Creek								
00987	Shellfishing	Total Size Fecal Coliform:				0.01	2002	2014
Front Cove								
01809	Shellfishing	Total Size Fecal Coliform:				0.08	2006	2006
Gargathy Creek								
01461	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		2.46			2004	2014
01462	Recreation	Total Size Fecal Coliform:		2.46			2004	2016
Gargathy Creek, Lower								
01460	Aquatic Life	Total Size Oxygen, Dissolved:				0.13	2006	2016
Gargathy Creek, Upper								
01253	Shellfishing	Total Size Fecal Coliform:				0.11	2004	2016
Georges Cove								
00957	Shellfishing	Total Size Fecal Coliform:				0.03	1998	2008
Goucher Creek								
15004	Shellfishing	Total Size Fecal Coliform:				0.03	2006	2018
Great Wicomico River								
00959	Shellfishing	Total Size Fecal Coliform:				0.55	1998	2008
Greenbackville Harbor - DSS								
76557	Shellfishing	Total Size Fecal Coliform:				0.03	2006	2010
Guilford Creek (#176B)								
00241	Shellfishing	Total Size Fecal Coliform:				0.15	1998	2006
Harper Creek								
00988	Shellfishing	Total Size Fecal Coliform:				0.07	1998	2010
Harper Creek, Foxes Creek, Gallaman Swamp								
01738	Aquatic Life	Total Size Oxygen, Dissolved:		11.47			2002	2008
Harris River								
01210	Shellfishing	Total Size Fecal Coliform:				0.28	2006	2006

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Harwoods Mill Reservoir								
01300	Aquatic Life		Total Size Copper:		258.00		2004	2016
01300	Wildlife		Total Size Copper:		258.00		2004	2016
Healy Creek								
15007	Shellfishing		Total Size Fecal Coliform:			0.02	1998	2018
Heywood Creek								
01022	Shellfishing		Total Size Fecal Coliform:			0.06	1998	2006
Holden Creek								
00420	Recreation		Total Size Enterococcus:			0.03	2006	2010
01231	Shellfishing		Total Size Fecal Coliform:			0.03	1998	2010
76710	Shellfishing		Total Size Fecal Coliform:			0.05	1998	2016
Holly Grove Cove								
00410	Shellfishing		Total Size Fecal Coliform:			0.14	1998	2008
Holt Creek								
01468	Recreation		Total Size Escherichia coli:	1.89			2006	2016
Holt Creek, Unnamed Tributary								
01470	Recreation		Total Size Escherichia coli:	1.38			2006	2016
01470	Recreation		Total Size Fecal Coliform:	1.38			2004	2016
Horn Harbor								
00960	Shellfishing		Total Size Fecal Coliform:			0.07	1998	2010
01005	Shellfishing		Total Size Fecal Coliform:			0.05	1998	2008
Hungar Creek, Upper								
00427	Recreation		Total Size Fecal Coliform:			0.22	1998	2008
01241	Shellfishing		Total Size Fecal Coliform:			0.22	1998	2008
Hunting Creek								
76011	Recreation		Total Size Enterococcus:			0.88	2006	2018
Hunting Creek (#138C)								
01232	Shellfishing		Total Size Fecal Coliform:			0.19	1998	2008
Indian Creek								
15002	Recreation		Total Size Enterococcus:			0.43	2006	2018
00961	Shellfishing		Total Size Fecal Coliform:			0.42	1998	2008
Jackson Creek								
00989	Shellfishing		Total Size Fecal Coliform:			0.30	1998	2006

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Jacobus Creek - Middle and Forks								
00408	Shellfishing	Total Size Fecal Coliform:				0.29	1998	2008
Jarvis Creek								
00963	Shellfishing	Total Size Fecal Coliform:				0.07	2002	2014
Johnson Creek								
15001	Shellfishing	Total Size Fecal Coliform:				0.01	2006	2018
Kelley Cove								
76555	Shellfishing	Total Size Fecal Coliform:				0.02	1998	2010
Kings Creek, Upper Forks								
01244	Shellfishing	Total Size Fecal Coliform:				0.07	1998	2008
Lake Rudee								
01477	Recreation	Total Size Enterococcus:				0.09	2006	2016
Lake Rudee - Lower (Rudee Inlet Canal)								
76566	Shellfishing	Total Size Fecal Coliform:				0.03	2006	2018
Lake Rudee - Upper								
76565	Shellfishing	Total Size Fecal Coliform:				0.09	2004	2018
Lake Smith (Lower), (PWS Reservoir)								
01444	Aquatic Life	Total Size Oxygen, Dissolved:			56.00		2004	2014
Lake Trashmore - Western Pond								
76600	Fish Consumption	Total Size Mercury in Fish Tissue:			54.00		2006	2018
76070	Fish Consumption	Total Size PCB in Fish Tissue:			54.00		2006	2018
Lake Wesley - Upstream Branches								
76029	Shellfishing	Total Size Fecal Coliform:				0.03	2006	2018
Lake Whitehurst								
76601	Fish Consumption	Total Size Mercury in Fish Tissue:			23.00		2006	2018
76071	Fish Consumption	Total Size PCB in Fish Tissue:			480.00		2006	2018
Lake Whitehurst - Azalea Garden Rd Embayment (PWS)								
76005	Aquatic Life	Total Size Oxygen, Dissolved:			23.00		2006	2018
76006	Aquatic Life	Total Size pH:			23.00		2006	2018
Lambs Creek - Poquoson River								
01221	Shellfishing	Total Size Fecal Coliform:				0.16	2006	2016

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Leatherberry Creek								
01237	Shellfishing		Total Size Fecal Coliform:				0.08	1998 2006
Lees Cove								
00964	Shellfishing		Total Size Fecal Coliform:				0.02	2002 2014
Little Cat Creek								
76018	Shellfishing		Total Size Fecal Coliform:				0.10	2006 2018
Little Creek Reservoir - Lower (PWS)								
76007	Aquatic Life		Total Size Oxygen, Dissolved:			10.00	2006	2018
Little Creek Reservoir (Lower), (PWS Reservoir)								
01445	Aquatic Life		Total Size pH:			10.00	2004	2014
Little Mosquito Creek, Lower								
01455	Aquatic Life		Total Size Oxygen, Dissolved:				0.10	2004 2016
01454	Recreation		Total Size Enterococcus:				0.17	2006 2008
01248	Shellfishing		Total Size Fecal Coliform:				0.10	1998 2008
London Bridge Creek								
00182	Recreation		Total Size Enterococcus:				0.05	2006 2006
Lynnhaven River								
01439	Recreation		Total Size Enterococcus:				0.70	2006 2016
01441	Recreation		Total Size Enterococcus:				0.28	2006 2014
Lynnhaven River Polyhaline Embayments								
01781	Aquatic Life		Total Size Oxygen, Dissolved:				7.91	2006 2010
76083	Aquatic Life		Total Size Aquatic Plants (Macrophytes):				7.91	2006 2010
01781	Open-Water Aquatic Life		Total Size Oxygen, Dissolved:				7.91	2006 2010
76083	Shallow-Water Submerged Aquatic Vegetation		Total Size Aquatic Plants (Macrophytes):				7.91	2006 2010
Lyons Creek - Upper								
01749	Shellfishing		Total Size Fecal Coliform:				0.04	2006 2018
Magothy Bay								
01471	Aquatic Life		Total Size Oxygen, Dissolved:				0.04	2004 2016
Matchotank Creek - Upper								
00286	Shellfishing		Total Size Fecal Coliform:				0.09	2006 2006
Mattawoman Creek								
00406	Shellfishing		Total Size Fecal Coliform:				0.22	1998 2008

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
McLean Gut								
00390	Shellfishing		Total Size Fecal Coliform:				0.05	1998 2006
Messongo Creek								
01233	Shellfishing		Total Size Fecal Coliform:				0.28	1998 2006
Messongo Creek Mesohaline Embayments								
01780	Aquatic Life		Total Size Oxygen, Dissolved:				0.01	2006 2010
Messongo Creek, Upper								
00421	Recreation		Total Size Fecal Coliform:				0.01	1998 2008
Miles Creek								
01008	Shellfishing		Total Size Fecal Coliform:				0.03	2004 2016
Milford Haven								
10114	Recreation		Total Size Enterococcus:				1.49	2006 2018
01009	Shellfishing		Total Size Fecal Coliform:				0.03	1998 2008
Mill Creek								
00433	Aquatic Life		Total Size Oxygen, Dissolved:	2.04			1998	2010
01473	Aquatic Life		Total Size pH:	2.04			1998	2016
01472	Recreation		Total Size Fecal Coliform:	2.04			2004	2016
00966	Shellfishing		Total Size Fecal Coliform:				0.47	1998 2006
Mobjack Bay and Tributaries								
15000	Fish Consumption		Total Size PCB in Fish Tissue:				82.06	2006 2018
Mobjack Bay Polyhaline								
01770	Aquatic Life		Total Size Oxygen, Dissolved:				24.03	2006 2010
10118	Aquatic Life		Total Size Aquatic Plants (Macrophytes):				24.03	2006 2010
01770	Open-Water Aquatic Life		Total Size Oxygen, Dissolved:				24.03	2006 2010
10118	Shallow-Water Submerged Aquatic Vegetation		Total Size Aquatic Plants (Macrophytes):				24.03	2006 2010
Mobjack Bay Polyhaline Embayments								
76082	Aquatic Life		Total Size Oxygen, Dissolved:				42.42	2006 2010
76081	Aquatic Life		Total Size Aquatic Plants (Macrophytes):				42.98	2006 2010
76082	Open-Water Aquatic Life		Total Size Oxygen, Dissolved:				42.42	2006 2010
76081	Shallow-Water Submerged Aquatic Vegetation		Total Size Aquatic Plants (Macrophytes):				42.98	2006 2010
Moore Creek								
00990	Shellfishing		Total Size Fecal Coliform:				0.07	2002 2014

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Morris Creek								
01011	Shellfishing	Total Size Fecal Coliform:					0.10	2002 2008
Muddy Creek								
01449	Recreation	Total Size Enterococcus:					0.34	2006 2016
01449	Recreation	Total Size Fecal Coliform:					0.34	1998 2016
01235	Shellfishing	Total Size Fecal Coliform:					0.34	1998 2010
Nandua Creek								
00301	Shellfishing	Total Size Fecal Coliform:					0.15	1998 2006
Narrow Channel Branch								
01474	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	1.48				2004	2016
01475	Recreation	Total Size Fecal Coliform:	1.48				2004	2016
Nassawadox Creek, Upper								
01239	Shellfishing	Total Size Fecal Coliform:					0.15	1998 2010
New Market Creek - Lower Riverine								
76003	Aquatic Life	Total Size Oxygen, Dissolved:	1.98				2006	2018
76004	Recreation	Total Size Fecal Coliform:	1.98				2006	2018
Newmarket Creek								
00415	Recreation	Total Size Enterococcus:					0.15	2006 2010
00415	Shellfishing	Total Size Fecal Coliform:					0.08	1998 2010
Newmarket Creek, Upper								
01212	Shellfishing	Total Size Fecal Coliform:					0.07	1998 2010
North River								
01012	Shellfishing	Total Size Fecal Coliform:					0.69	1998 2006
Occohannock Creek, Upper								
00302	Shellfishing	Total Size Fecal Coliform:					0.51	1998 2006
Old Plantation Creek, Upper DSS Condemnation								
01245	Shellfishing	Total Size Fecal Coliform:					0.11	1998 2006
Onancock Creek								
76201	Recreation	Total Size Enterococcus:					0.23	2006 2006
00278	Recreation	Total Size Fecal Coliform:					0.06	1998 2014
01238	Shellfishing	Total Size Fecal Coliform:					0.29	1998 2006

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Onancock Creek, Central Branch								
76200	Recreation	Total Size Fecal Coliform:					0.02	1998 2016
01450	Shellfishing	Total Size Fecal Coliform:					0.02	1998 2016
Onancock Creek, North Branch								
00277	Recreation	Total Size Enterococcus:					0.02	2006 2006
00277	Recreation	Total Size Fecal Coliform:					0.02	2002 2006
Owens Pond								
00967	Shellfishing	Total Size Fecal Coliform:					0.17	1998 2008
Owl Creek - Lower								
76568	Shellfishing	Total Size Fecal Coliform:					0.02	2002 2018
Owl Creek- Upper								
76028	Aquatic Life	Total Size Oxygen, Dissolved:					0.01	2006 2018
76567	Shellfishing	Total Size Fecal Coliform:					0.01	2004 2018
Owl Creek, Lower								
01481	Recreation	Total Size Enterococcus:					0.01	2006 2014
Oyster Slip (Harbor)								
76027	Recreation	Total Size Enterococcus:					0.03	2006 2018
01256	Shellfishing	Total Size Fecal Coliform:					0.03	1998 2008
Parker Creek								
00432	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	3.56				1994	2010
76022	Recreation	Total Size Enterococcus:					0.07	2006 2018
00431	Recreation	Total Size Escherichia coli:	3.56				2004	2010
00431	Recreation	Total Size Fecal Coliform:	3.56				1994	2010
01255	Shellfishing	Total Size Fecal Coliform:					0.03	1998 2008
Patricks Creek - Poquoson River								
01754	Shellfishing	Total Size Fecal Coliform:					0.10	2006 2016
Pepper Creek								
10119	Shellfishing	Total Size Fecal Coliform:					0.03	2006 2018
Pettit Branch								
01458	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	2.12				1996	2014
00430	Recreation	Total Size Escherichia coli:	2.12				2006	2010

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Piankatank River								
15005	Aquatic Life	Total Size Estuarine Bioassessments					1.28	2006 2018
00993	Shellfishing	Total Size Fecal Coliform:					2.22	1998 2010
90027	Shellfishing	Total Size Fecal Coliform:					0.26	1998 2010
Piankatank River Mesohaline Embayments								
01771	Aquatic Life	Total Size Oxygen, Dissolved:					13.16	2002 2010
10113	Aquatic Life	Total Size Aquatic Plants (Macrophytes):					26.40	2006 2010
10113	Shallow-Water Submerged Aquatic Vegetation	Total Size Aquatic Plants (Macrophytes):					26.40	2006 2010
Pitts Creek, Unnamed Tributary								
00419	Aquatic Life	Total Size Oxygen, Dissolved:	5.96				1998	2010
76009	Aquatic Life	Total Size pH:	5.96				2006	2018
01448	Recreation	Total Size Escherichia coli:	5.96				2006	2016
Pocomoke River								
76008	Recreation	Total Size Enterococcus:					0.21	2006 2018
76008	Recreation	Total Size Fecal Coliform:					0.21	1998 2018
01229	Shellfishing	Total Size Fecal Coliform:					0.21	1998 2006
Pocomoke River Embayments								
76079	Aquatic Life	Total Size Oxygen, Dissolved:					2.97	2006 2010
76079	Open-Water Aquatic Life	Total Size Oxygen, Dissolved:					2.97	2006 2010
Pocomoke River Mesohaline Embayments								
76080	Aquatic Life	Total Size Aquatic Plants (Macrophytes):					7.23	2006 2010
76080	Shallow-Water Submerged Aquatic Vegetation	Total Size Aquatic Plants (Macrophytes):					7.23	2006 2010
Poquoson River, Unnamed Cove (UT Patricks Creek)								
01805	Shellfishing	Total Size Fecal Coliform:					0.01	2006 2006
Poquoson River, Upper								
00416	Recreation	Total Size Enterococcus:					0.40	2006 2008
01806	Shellfishing	Total Size Fecal Coliform:					0.40	2006 2006
Powells Bay								
76016	Recreation	Total Size Enterococcus:					0.57	2006 2018
Prentice Creek (22C)								
00969	Shellfishing	Total Size Fecal Coliform:					0.01	1998 2006

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Prentice Creek (22D)								
00233	Shellfishing	Total Size Fecal Coliform:					0.01	1998 2006
Pungoteague Creek and tributaries								
76013	Recreation	Total Size Enterococcus:					1.90	2006 2018
Pungoteague Creek, Upper								
00303	Shellfishing	Total Size Fecal Coliform:					0.34	1998 2010
Put In Creek								
01014	Shellfishing	Total Size Fecal Coliform:					0.13	1998 2008
Queens Creek								
01015	Shellfishing	Total Size Fecal Coliform:					0.25	1998 2008
Quinby Harbor - Upshur Bay								
76024	Aquatic Life	Total Size Oxygen, Dissolved:					0.06	2006 2018
Red Bank Creek								
01467	Recreation	Total Size Fecal Coliform:	1.22					2004 2016
76025	Shellfishing	Total Size Fecal Coliform:					0.02	2006 2018
Red Bank Creek, Unnamed Tributary								
01466	Aquatic Life	Total Size Oxygen, Dissolved:					0.10	2004 2016
76026	Shellfishing	Total Size Fecal Coliform:					0.10	2006 2018
Red Bank Creek, Upper								
01465	Aquatic Life	Total Size Oxygen, Dissolved:					0.00	2004 2016
Roberts Creek - Poquoson River								
01748	Shellfishing	Total Size Fecal Coliform:					0.11	2006 2010
Ross Branch								
01463	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	3.08					2002 2014
Sandy Bottom Branch								
00423	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	1.24					2004 2010
01301	Aquatic Life	Total Size Copper:	1.24					2002 2016
00424	Recreation	Total Size Escherichia coli:	1.24					2006 2010
01301	Wildlife	Total Size Copper:	1.24					2002 2016
Sandy Bottom Branch, Unnamed Tributary								
00426	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	1.65					1996 2010
00425	Recreation	Total Size Fecal Coliform:	1.65					2004 2010

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Severn River, Northwest Branch								
01027	Aquatic Life	Total Size Chloride:		3.10			2004	2016
01036	Recreation	Total Size Fecal Coliform:		3.10			2002	2014
01024	Shellfishing	Total Size Fecal Coliform:				0.33	1998	2006
01027	Wildlife	Total Size Chloride:		3.10			2004	2016
Starling Creek - Upper								
01236	Shellfishing	Total Size Fecal Coliform:				0.08	1998	2006
Stutts Creek								
01016	Shellfishing	Total Size Fecal Coliform:				0.09	1998	2008
Swan Gut Creek								
01456	Aquatic Life	Total Size Oxygen, Dissolved:				0.13	2004	2016
76017	Recreation	Total Size Enterococcus:				0.13	2006	2018
01249	Shellfishing	Total Size Fecal Coliform:				0.13	2004	2008
Tabbs Creek								
00971	Shellfishing	Total Size Fecal Coliform:				0.07	1998	2010
01218	Shellfishing	Total Size Fecal Coliform:				0.07	2006	2010
Taylor Creek								
01451	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	0.85				2004	2016
76015	Recreation	Total Size Escherichia coli:	0.85				2006	2018
01469	Recreation	Total Size Fecal Coliform:	1.75				2002	2014
01783	Shellfishing	Total Size Fecal Coliform:				0.16	1998	2010
Thalia Creek								
00417	Recreation	Total Size Enterococcus:				0.16	2006	2010
The Gulf, Upper								
01242	Shellfishing	Total Size Fecal Coliform:				0.17	1998	2008
Thorntons Creek								
01025	Shellfishing	Total Size Fecal Coliform:				0.07	1998	2006
Tipers Creek								
00972	Shellfishing	Total Size Fecal Coliform:				0.14	1998	2008
Underhill Creek								
76014	Shellfishing	Total Size Fecal Coliform:				0.09	2006	2018
Unsegmented embayments in C10E-POCOH								
76118	Shellfishing	Total Size Fecal Coliform:				1.23	1998	2010

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TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Unsegmented Pocomoke Sound/Pitts Creek in POCOH								
01230	Shellfishing	Total Size Fecal Coliform:					1.12	1998 2010
Vaughans Creek								
01026	Shellfishing	Total Size Fecal Coliform:					0.12	1998 2006
Wallace Creek								
01220	Shellfishing	Total Size Fecal Coliform:					0.06	2006 2006
Ware River								
01018	Shellfishing	Total Size Fecal Coliform:					0.81	1998 2006
Warehouse Creek								
00974	Shellfishing	Total Size Fecal Coliform:					0.08	1998 2008
01240	Shellfishing	Total Size Fecal Coliform:					0.15	1998 2010
Watts Creek - (NW Br. Back River)								
76115	Shellfishing	Total Size Fecal Coliform:					0.01	2006 2010
Westerhouse Creek - North Branch (Part A)								
00436	Shellfishing	Total Size Fecal Coliform:					0.03	1998 2008
Westerhouse Creek - South Branch (Part B)								
00439	Shellfishing	Total Size Fecal Coliform:					0.05	1998 2008
Whays Creek								
00973	Shellfishing	Total Size Fecal Coliform:					0.14	1998 2008
White House Cove - Upper								
01750	Shellfishing	Total Size Fecal Coliform:					0.10	2006 2006
Wilson Creek								
01019	Shellfishing	Total Size Fecal Coliform:					0.34	1998 2006
Winder Creek								
01007	Shellfishing	Total Size Fecal Coliform:					0.01	2002 2014
Winter Harbor								
10117	Shellfishing	Total Size Fecal Coliform:					0.11	2006 2018
Womans Bay - Southern Portion								
76560	Shellfishing	Total Size Fecal Coliform:					0.08	2006 2018
Young Creek - Upper								
00336	Shellfishing	Total Size Fecal Coliform:					0.13	1998 2006

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TMDL Watershed Name		Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use						

*VA DEQ is transitioning from fecal coliform bacteria to Escherichia coli (fresh water) and Enterococci (salt water) for assessing the Recreation Use. These impairments have the same TMDL Group IDs but should not be added to arrive at the total impaired size. When a TMDL Study is conducted both pathogens are covered by the study. Other overlaps between Aquatic Life and its sub-uses as well as Wildlife also occur. Different sizes apply to the sub-uses; Deep-Water, Deep-Channel and SAV. The EPA Assessment Database system can accept only one size value at the time.

*The 2006 Draft IR contained Category 4A and Category 4C Impairments embedded within Virginia Category 5D Waters. Category 4A and Category 4C Impairments are removed from this Final 303(d) List.

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York River Basin

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Aberdeen Creek								
01257	Shellfishing	Total Size Fecal Coliform:					0.13	1998 2008
Adams Creek								
01258	Shellfishing	Total Size Fecal Coliform:					0.18	2004 2008
Bakers Creek								
01259	Shellfishing	Total Size Fecal Coliform:					0.01	2002 2014
Berry Run								
60107	Recreation	Total Size Escherichia coli:	2.35				2006	2016
Carter Creek								
01486	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	0.91				2004	2016
01485	Recreation	Total Size Fecal Coliform:	0.91				2004	2016
70004	Shellfishing	Total Size Fecal Coliform:					0.03	2002 2018
Carter Creek (Gloucester County) - Upper Portion (North Shore)								
01270	Shellfishing	Total Size Fecal Coliform:					0.17	1998 2008
Cedarbush Creek, Upper								
01269	Shellfishing	Total Size Fecal Coliform:					0.08	1998 2008
Cohoke Mill Creek, Unnamed Tributary								
01117	Aquatic Life	Total Size pH:	2.20				2004	2016
Contrary Creek								
00856	Aquatic Life	Total Size pH:	5.49				2002	2014
Dickey's Swamp, Dogwood Fork, UT Garnetts Creek UT								
01118	Aquatic Life	Total Size Oxygen, Dissolved:	11.18				2002	2014
Dogwood Fork								
01119	Aquatic Life	Total Size Oxygen, Dissolved:	2.80				2002	2014
Felgate's Creek - Upper								
01271	Shellfishing	Total Size Fecal Coliform:					0.25	1998 2008
Fox Creek								
70003	Shellfishing	Total Size Fecal Coliform:					0.02	2006 2018
Garnetts Creek, UT								
01123	Aquatic Life	Total Size Oxygen, Dissolved:	2.48				2002	2014
Harrison Creek								
01116	Aquatic Life	Total Size pH:	2.59				2004	2016

2006 303(d) List Summary of Impaired Waters (Category 5) Needing TMDL Study*

York River Basin

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Herring Creek								
00325	Aquatic Life	Total Size pH:		4.81			2002	2010
60118	Aquatic Life	Total Size pH:		1.39			2006	2018
00865	Recreation	Total Size Fecal Coliform:		4.81			2002	2014
Hockley Creek								
01260	Shellfishing	Total Size Fecal Coliform:				0.04	2002	2014
Hornquarter Creek								
01101	Aquatic Life	Total Size pH:		6.59			2002	2014
Indian Field Creek								
01272	Shellfishing	Total Size Fecal Coliform:				0.12	1998	2010
Jacks Creek								
01103	Aquatic Life	Total Size Oxygen, Dissolved:		22.99			2002	2014
Jones & Sandy Creeks								
01261	Shellfishing	Total Size Fecal Coliform:				0.06	1998	2008
King Creek - Lower								
70005	Shellfishing	Total Size Fecal Coliform:				0.14	2006	2018
King Creek - Upper								
00331	Recreation	Total Size Enterococcus:				0.19	2006	2010
01273	Shellfishing	Total Size Fecal Coliform:				0.19	1998	2010
Lake Anna and Tributaries								
60139	Fish Consumption	Total Size PCB in Fish Tissue:		12.61	9,585.00		2006	2018
Lake Gordonsville								
60121	Fish Consumption	Total Size Mercury in Fish Tissue:			82.00		2006	2018
Little River								
60110	Aquatic Life	Total Size Oxygen, Dissolved:		2.47			2006	2018
60116	Aquatic Life	Total Size pH:		2.47			2006	2018
60103	Recreation	Total Size Escherichia coli:		2.47			2006	2018
Maracocomic Creek								
00867	Aquatic Life	Total Size pH:		4.32			2002	2014
60106	Recreation	Total Size Escherichia coli:		4.28			2006	2018
Matta River								
00860	Recreation	Total Size Escherichia coli:			11.14		2006	2016

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York River Basin

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Mattaponi River								
01113	Aquatic Life	Total Size Chloride:					3.67	2004 2016
01124	Aquatic Life	Total Size Estuarine Bioassessments					0.85	2004 2016
00440	Aquatic Life	Total Size Oxygen, Dissolved:					7.13	2006 2010
00326	Aquatic Life	Total Size pH:	8.15					2002 2010
10089	Aquatic Life	Total Size pH:					1.15	2006 2018
60117	Aquatic Life	Total Size pH:	5.90					2006 2018
10092	Aquatic Life	Total Size Aquatic Plants (Macrophytes):					0.88	2006 2010
10018	Fish Consumption	Total Size Mercury in Fish Tissue:	4.72				3.44	2006 2018
10017	Fish Consumption	Total Size PCB in Fish Tissue:	4.72				0.16	2006 2018
00440	Open-Water Aquatic Life	Total Size Oxygen, Dissolved:					7.13	2006 2010
10090	Recreation	Total Size Enterococcus:					2.53	2006 2018
60104	Recreation	Total Size Escherichia coli:	5.90					2006 2018
10092	Shallow-Water Submerged Aquatic Vegetation	Total Size Aquatic Plants (Macrophytes):					0.88	2006 2010
10091	Shellfishing	Total Size Fecal Coliform:					0.39	2006 2018
01113	Wildlife	Total Size Chloride:					3.67	2004 2016
Mechumps Creek								
10016	Aquatic Life	Total Size pH:	1.03				2006	2018
Monquin Creek								
01106	Aquatic Life	Total Size pH:					11.83	2002 2014
00247	Recreation	Total Size Escherichia coli:	11.83					2006 2014
Newfound River								
01098	Recreation	Total Size Fecal Coliform:	10.61				2004	2006
Ni River								
00857	Aquatic Life	Total Size pH:	5.42				2004	2016
North Anna River								
60101	Recreation	Total Size Fecal Coliform:	3.07				2006	2018
Northeast Creek								
01100	Aquatic Life	Total Size pH:	18.04				2004	2016
00211	Recreation	Total Size Escherichia coli:	18.04				2006	2006
00211	Recreation	Total Size Fecal Coliform:	18.04				2002	2006
Pamunkey & Mattaponi River (YRKMH)								
10088	Aquatic Life	Total Size Aquatic Plants (Macrophytes):					0.47	2006 2010
10088	Shallow-Water Submerged Aquatic Vegetation	Total Size Aquatic Plants (Macrophytes):					0.47	2006 2010

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York River Basin

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Pamunkey and Mattaponi Rivers								
10087	Shellfishing	Total Size Fecal Coliform:					1.76	2006 2018
Pamunkey River								
01112	Aquatic Life	Total Size Chloride:					4.38	2004 2016
01114	Aquatic Life	Total Size Estuarine Bioassessments					0.39	2004 2016
10085	Aquatic Life	Total Size Estuarine Bioassessments					5.30	2006 2018
10015	Fish Consumption	Total Size Mercury in Fish Tissue:	12.22				1.24	2006 2018
10086	Recreation	Total Size Enterococcus:					4.38	2006 2018
01112	Wildlife	Total Size Chloride:					4.38	2004 2016
Pamunkey River (PMKOH)								
01772	Aquatic Life	Total Size Oxygen, Dissolved:					7.45	1998 2010
01772	Open-Water Aquatic Life	Total Size Oxygen, Dissolved:					7.45	1998 2010
Pamunkey River (PMKTF)								
01773	Aquatic Life	Total Size Oxygen, Dissolved:					6.04	1998 2010
01773	Open-Water Aquatic Life	Total Size Oxygen, Dissolved:					6.04	1998 2010
Pamunkey River, Unnamed Tributary								
01111	Recreation	Total Size Fecal Coliform:	3.75					2004 2016
Perrin River, Upper								
01274	Shellfishing	Total Size Fecal Coliform:					0.12	1998 2010
Po River								
00858	Aquatic Life	Total Size pH:	7.38					2004 2016
00862	Recreation	Total Size Fecal Coliform:	2.06					2002 2014
Polecat Creek								
00864	Aquatic Life	Total Size pH:	6.63					2004 2016
60105	Recreation	Total Size Escherichia coli:	6.63					2006 2018
Poropotank River & Morris Bay								
01263	Shellfishing	Total Size Fecal Coliform:					0.83	1998 2008
Queen's Creek								
00328	Recreation	Total Size Enterococcus:					0.42	2006 2010
01264	Shellfishing	Total Size Fecal Coliform:					0.42	1998 2010
Reedy Creek								
00327	Aquatic Life	Total Size pH:	12.40					1998 2010
00866	Recreation	Total Size Fecal Coliform:	12.40					2004 2016

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York River Basin

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Root Swamp								
60119	Aquatic Life	Total Size pH:		7.88			2006	2018
Root Swamp, Unnamed Tributary								
60111	Aquatic Life	Total Size Oxygen, Dissolved:		0.72			2006	2018
60120	Aquatic Life	Total Size pH:		0.72			2006	2018
Sarah Creek								
01275	Shellfishing	Total Size Fecal Coliform:				0.56	1998	2010
Skimino Creek								
01265	Shellfishing	Total Size Fecal Coliform:				0.07	1998	2010
South Anna River								
60108	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		7.02			2006	2018
00242	Recreation	Total Size Escherichia coli:		7.02			2006	2006
00854	Recreation	Total Size Escherichia coli:		6.27			2006	2016
60100	Recreation	Total Size Escherichia coli:		5.83			2006	2018
00244	Recreation	Total Size Fecal Coliform:		8.96			2002	2014
00854	Recreation	Total Size Fecal Coliform:		6.27			2004	2016
60098	Recreation	Total Size Fecal Coliform:		7.58			2006	2018
60100	Recreation	Total Size Fecal Coliform:		4.07			2006	2018
South River								
00863	Recreation	Total Size Fecal Coliform:		3.25			2004	2016
Stagg Creek								
10000	Recreation	Total Size Escherichia coli:		6.50			2006	2018
Sullens Creek								
01108	Aquatic Life	Total Size pH:		2.68			2004	2016
Ta River								
00861	Recreation	Total Size Fecal Coliform:		3.27			2002	2014
Taskinas Creek								
01266	Shellfishing	Total Size Fecal Coliform:				0.02	2004	2010
Tastine Swamp and Little Tastine Swamp								
01125	Aquatic Life	Total Size Oxygen, Dissolved:		6.02			2002	2014
01126	Recreation	Total Size Fecal Coliform:		6.02			2002	2014
Terrys Run								
00855	Aquatic Life	Total Size Oxygen, Dissolved:		3.62			2002	2014

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York River Basin

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Timberneck Creek								
01276	Shellfishing	Total Size Fecal Coliform:					0.24	1998 2008
Tomahawk Creek								
30105	Recreation	Total Size Fecal Coliform:		3.25			2004	2016
Totopotomoy Creek								
01110	Aquatic Life	Total Size pH:		9.60			2004	2016
00250	Recreation	Total Size Escherichia coli:		9.60			2006	2014
Walkerton Branch								
10001	Aquatic Life	Total Size Oxygen, Dissolved:		3.95			2006	2018
01122	Aquatic Life	Total Size pH:		3.95			2004	2016
Waller Mill Reservoir [PWS]								
70000	Aquatic Life	Total Size Oxygen, Dissolved:			315.00		2006	2018
Ware Creek								
01267	Shellfishing	Total Size Fecal Coliform:					0.10	1998 2010
Wheeler Creek								
60099	Recreation	Total Size Fecal Coliform:		0.22			2006	2018
York River								
01482	Aquatic Life	Total Size Estuarine Bioassessments					32.96	2004 2016
01487	Aquatic Life	Total Size Estuarine Bioassessments					23.65	2004 2016
70002	Recreation	Total Size Enterococcus:					5.48	2006 2018
01268	Shellfishing	Total Size Fecal Coliform:					5.58	2004 2010
York River and Tributaries								
70001	Fish Consumption	Total Size PCB in Fish Tissue:					57.69	2006 2018
York River Mesohaline Embayments								
01778	Aquatic Life	Total Size Oxygen, Dissolved:					35.99	1998 2010
00330	Aquatic Life	Total Size Aquatic Plants (Macrophytes):					62.42	2006 2010
01778	Open-Water Aquatic Life	Total Size Oxygen, Dissolved:					35.99	1998 2010
00330	Shallow-Water Submerged Aquatic Vegetation	Total Size Aquatic Plants (Macrophytes):					62.42	2006 2010
York River Polyhaline Embayments								
01779	Aquatic Life	Total Size Oxygen, Dissolved:					26.90	2006 2010
01779	Open-Water Aquatic Life	Total Size Oxygen, Dissolved:					26.90	2006 2010

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York River Basin

TMDL Watershed Name		Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial	TMDL
TMDL Group ID	Use					List Date	Dev. Date

*VA DEQ is transitioning from fecal coliform bacteria to Escherichia coli (fresh water) and Enterococci (salt water) for assessing the Recreation Use. These impairments have the same TMDL Group IDs but should not be added to arrive at the total impaired size. When a TMDL Study is conducted both pathogens are covered by the study. Other overlaps between Aquatic Life and its sub-uses as well as Wildlife also occur. Different sizes apply to the sub-uses; Deep-Water, Deep-Channel and SAV. The EPA Assessment Database system can accept only one size value at the time.

*The 2006 Draft IR contained Category 4A and Category 4C Impairments embedded within Virginia Category 5D Waters. Category 4A and Category 4C Impairments are removed from this Final 303(d) List.

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New River Basin

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Adair Run								
01737	Recreation	Total Size Fecal Coliform:		0.38			2004	2016
Beaverpond Creek								
50033	Fish Consumption	Total Size PCB in Fish Tissue:		2.94			2006	2018
Big Horse Creek								
00869	Recreation	Total Size Fecal Coliform:		3.00			2004	2016
Big Indian Creek, Lower								
01727	Aquatic Life	Total Size Temperature, water:		7.58			2004	2016
Big Reed Island Creek								
00891	Recreation	Total Size Fecal Coliform:		7.49			2004	2016
Bluestone River								
00142	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		6.05			1996	2006
00896	Aquatic Life	Total Size Chlordane:		0.60			2004	2016
00594	Fish Consumption	Total Size PCB in Fish Tissue:		12.62			2006	2008
00595	Fish Consumption	Total Size PCB in Fish Tissue:		0.60			2006	2008
00016	Recreation	Total Size Escherichia coli:		1.63			2006	2006
00016	Recreation	Total Size Fecal Coliform:		1.63			2002	2006
Brush Creek								
01728	Recreation	Total Size Fecal Coliform:		5.76			2004	2016
Byllesby Reservoir								
50155	Recreation	Total Size Escherichia coli:		298.39			2006	2018
50155	Recreation	Total Size Fecal Coliform:		298.39			2006	2018
Chestnut Creek								
00256	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):		14.00			1994	2006
00694	Recreation	Total Size Escherichia coli:		3.67			2004	2006
00694	Recreation	Total Size Fecal Coliform:		14.00			2004	2006
Claytor Lake - New River								
01719	Aquatic Life	Total Size pH:		1,803.55			2002	2014
Claytor Lake - Peak Creek, Upper								
50295	Recreation	Total Size Escherichia coli:		77.74			2006	2014
Connellys Run								
01722	Recreation	Total Size Fecal Coliform:		2.76			2004	2016

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New River Basin

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Cove Creek								
50167	Recreation	Total Size Escherichia coli:	9.10				2006	2018
Cripple Creek								
00503	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	6.25				2004	2010
00884	Recreation	Total Size Fecal Coliform:	5.00				2004	2016
00885	Recreation	Total Size Fecal Coliform:	3.10				2004	2016
00888	Recreation	Total Size Fecal Coliform:	6.25				2004	2016
Crooked Creek								
00879	Recreation	Total Size Fecal Coliform:	10.74				2004	2016
00880	Recreation	Total Size Fecal Coliform:	10.04				2004	2016
Dodd Creek, West Fork								
01726	Aquatic Life	Total Size Temperature, water:	1.18				2002	2014
Elk Creek								
00502	Recreation	Total Size Escherichia coli:	19.64				2006	2010
00502	Recreation	Total Size Fecal Coliform:	10.69				2002	2010
Fox Creek								
00874	Recreation	Total Size Fecal Coliform:	7.68				2004	2016
Kimberling Creek								
00892	Recreation	Total Size Fecal Coliform:	9.18				2004	2014
Knob Fork								
50154	Recreation	Total Size Escherichia coli:	4.31				2006	2018
Laurel Creek								
00895	Recreation	Total Size Escherichia coli:	1.60				2006	2014
00895	Recreation	Total Size Fecal Coliform:	1.60				2002	2014
01729	Recreation	Total Size Fecal Coliform:	3.25				2004	2016
Laurel Fork								
00259	Aquatic Life	Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	4.54				1996	2006
00261	Aquatic Life	Total Size Oxygen, Dissolved:	4.54				1994	2006
00260	Recreation	Total Size Escherichia coli:	4.54				2006	2006
Little Helton Creek								
00870	Recreation	Total Size Fecal Coliform:	3.42				2004	2016

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New River Basin

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
Little River								
01725	Aquatic Life	Total Size Temperature, water:	10.93				2002	2014
01724	Recreation	Total Size Escherichia coli:	10.93				2006	2016
50298	Recreation	Total Size Escherichia coli:	3.68				2006	2016
00875	Recreation	Total Size Fecal Coliform:	5.25				2004	2016
01724	Recreation	Total Size Fecal Coliform:	10.93				2004	2016
01730	Recreation	Total Size Fecal Coliform:	15.13				2004	2014
50298	Recreation	Total Size Fecal Coliform:	23.98				2006	2016
Little River, Meadow Run, Pine Creek								
50297	Recreation	Total Size Escherichia coli:	30.12				2006	2018
Little Stony Creek								
01733	Recreation	Total Size Fecal Coliform:	2.06				2002	2014
Little Walker Creek								
01734	Recreation	Total Size Escherichia coli:	17.15				2006	2016
01734	Recreation	Total Size Fecal Coliform:	17.15				2004	2016
Meadow Creek, Lower								
01731	Recreation	Total Size Fecal Coliform:	4.48				2002	2014
Mill Creek								
00881	Recreation	Total Size Fecal Coliform:	3.64				2004	2016
Miller Creek								
50165	Recreation	Total Size Escherichia coli:	0.42				2006	2018

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New River Basin

TMDL Watershed Name			Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use							
New River								
00530	Fish Consumption		Total Size DDE:	9.62			2004	2016
00535	Fish Consumption		Total Size DDT:	9.62			2004	2016
50000	Fish Consumption		Total Size Heptachlor epoxide:	9.62			2006	2018
30029	Fish Consumption		Total Size Mercury in Fish Tissue:	7.40			2006	2018
30030	Fish Consumption		Total Size Mercury in Fish Tissue:	6.45			2006	2018
30031	Fish Consumption		Total Size Mercury in Fish Tissue:	4.71			2006	2018
30033	Fish Consumption		Total Size Mercury in Fish Tissue:	2.35			2006	2018
30034	Fish Consumption		Total Size Mercury in Fish Tissue:	6.50			2006	2018
30005	Fish Consumption		Total Size PCB in Fish Tissue:	5.69			2006	2018
00878	Recreation		Total Size Escherichia coli:	5.19			2004	2016
50156	Recreation		Total Size Escherichia coli:	5.69			2006	2016
50158	Recreation		Total Size Escherichia coli:	2.38			2006	2018
50159	Recreation		Total Size Escherichia coli:	5.11			2006	2018
50302	Recreation		Total Size Escherichia coli:	13.52			2006	2018
00386	Recreation		Total Size Fecal Coliform:	7.40			2004	2008
00876	Recreation		Total Size Fecal Coliform:	1.51			2004	2016
New River Watershed, PCB								
30001	Fish Consumption		Total Size PCB in Fish Tissue:	69.35	4,286.80		2006	2014
New River, Upper Allisonia								
00504	Aquatic Life		Total Size Benthic-Macroinvertebrate Bioassessments (Streams):	0.81			1998	2010
01721	Recreation		Total Size Escherichia coli:	0.81			2006	2016
Peach Bottom Creek								
00877	Recreation		Total Size Escherichia coli:	2.73			2006	2016
00877	Recreation		Total Size Fecal Coliform:	2.73			2004	2016
Plum Creek								
01723	Recreation		Total Size Fecal Coliform:	4.50			2004	2016
Reed Creek								
30006	Fish Consumption		Total Size PCB in Fish Tissue:	16.36			2006	2018
00886	Recreation		Total Size Escherichia coli:	21.48			2006	2016
50160	Recreation		Total Size Escherichia coli:	14.93			2006	2018
00890	Recreation		Total Size Fecal Coliform:	1.47			2002	2014
Reed Creek, South Fork and Mill Creek								
50161	Recreation		Total Size Escherichia coli:	12.91			2006	2018
Rich Creek								
01736	Recreation		Total Size Fecal Coliform:	2.77			2002	2014

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New River Basin

TMDL Watershed Name		Impairment	River (Miles)	Reservoir (Acres)	Estuary (Sq. Miles)	Initial List Date	TMDL Dev. Date
TMDL Group ID	Use						
Rural Retreat Lake							
50076	Aquatic Life	Total Size pH:			85.46	2006	2018
Saddle Creek							
50153	Recreation	Total Size Escherichia coli:			3.09	2006	2018
Shorts Creek							
00883	Recreation	Total Size Fecal Coliform:			6.73	2004	2016
Shorts Creek unnamed tributary							
50157	Recreation	Total Size Fecal Coliform:			3.72	2006	2018
Slate Spring Branch							
00889	Recreation	Total Size Fecal Coliform:			5.91	2004	2016
Stony Fork							
50162	Recreation	Total Size Escherichia coli:			6.67	2006	2018
Stroubles Creek							
50299	Recreation	Total Size Escherichia coli:			7.08	2006	2014
Tate Run							
50163	Recreation	Total Size Escherichia coli:			0.53	2006	2018
Walker Creek							
50300	Recreation	Total Size Escherichia coli:			68.09	2006	2018
50300	Recreation	Total Size Fecal Coliform:			68.09	2006	2018
Wilson Creek							
00873	Recreation	Total Size Fecal Coliform:			8.82	2004	2016
Wolf Creek							
00894	Recreation	Total Size Escherichia coli:			26.90	2006	2014
01735	Recreation	Total Size Escherichia coli:			5.51	2006	2016
50303	Recreation	Total Size Escherichia coli:			16.38	2006	2016
00894	Recreation	Total Size Fecal Coliform:			8.99	2002	2014
01735	Recreation	Total Size Fecal Coliform:			5.51	2004	2016

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